FLASHPOINT

R2 PRO Mark II O Transmitter

for Panasonic and Olympus

R2 Wireless TTL Flash Trigger

FPRRR2PROOII

Contents

Safety First

To prevent damage to your product or injury to you or others, read the following safety precautions in their entirety before using this device. Keep these safety instructions where all those who use this device can refer to this manual.
Failure to observe the precautions listed in this section could result in damage to the product.
The following icon indicates warnings that should be read before using this device in case of possible damage or injury.

⚠ Do not disassemble or modify

Failure to observe this precaution could result in electric shock or product malfunction. Should repairs become necessary, this product must be sent to an authorized maintenance center.

⚠ Keep dry

Do not handle with wet hands or immerse in or expose to water or rain.

⚠ Do not use in the presence of flammable gas

Failure to observe this precaution could result in explosion or fire.

⚠ Keep out of reach of children

This device contains small parts which may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.

⚠ Turn off the transceiver immediately in the event of a malfunction

Should smoke or an unusual smell comes from this device, remove the batteries immediately in case of burning and take the device to an authorized maintenance center for inspection.

⚠ Do not expose to high temperature

Do not leave the device in a closed vehicle in the sun or in other areas subject to extremely high temperature.

⚠ Observe precautions when handling batteries

Batteries may leak or explode if improperly handled. Observe the following precautions when handling batteries for use in this device:

- Use only batteries listed in this manual. Do not use old and new batteries or batteries of different types at the same time.
- Read and follow all warnings and instructions provided by the manufacturer.
- Batteries should never be short-circuited or disassembled.
- Do not put batteries into a fire or apply direct heat to them.
- Do not attempt to insert batteries backward.
- Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove batteries when the product is not used for a long time or when batteries run out of charge.
- Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.

Foreword

The exclusive **Flashpoint R2 Pro Mark II O** wireless flash trigger is the definitive dedicated transmitter for the R2 Family of Flash - The ultimate command center for Panasonic and Olympus cameras to control Flashpoint R2 wireless system devices. The first of its kind: a dynamic, direct access, dead-on control to every aspect of the linked TTL flash. The breadth of capabilities suits the vision of every strobist on the quest for lighting excellence. Every whim and wish has a direct button ready for action, providing instant response to no less than eighteen novel and familiar R2 features. Direct! No scrolling through menu options for the right selection. Touch the icon, and the agile Pro Mark II performs. Confident handling of precise control is the perfect complement to high-performance imaging. Plus, the newly fine-tuned smartphone APP endows the savvy Apple or Android mobile photographer with pure shooting pleasure, taking R2 technology one step further.

Manage flash like never before. The Pro Mark II presents expanded precision, derived from the fabulous FP R2 Pro version. Centrally located Group buttons surround the generous Select Dial, 10 Quick-Touch dedicated function buttons, built-in Bluetooth that links to the graphical FP Smartphone APP, isolated single Group open flash test, multiple dual purpose button assignment… and the list of novelty goes on.

Boasting sparkling innovations that make the art of photography more accessible than ever at the touch of a button, with improved 2 Way TCM - TTL to Manual settings and back again. TCM fusion overcomes the exposure fluctuations that may occur in TTL shooting by saving the successful exposure value to Manual settings for repeat capture accuracy. Enjoy exceptionally stable signal broadcast, direct info access with the brilliant backlit dot matrix LCD screen, displaying all 5 Groups simultaneously, selective transmission of values to conserve energy, and extended multiple Group triggering, the Pro Mark II transmitter provides a massive leap forward for DSLR photographers.

The on-camera transmitter gives photographers power to direct the entire R2 Family: Zoom and Streaklight speedlights, Lithium battery powered eVOLV strobes and XPLOR monolights, and AC Rapid and Studio monolights. Even the remote flash coverage of Zoom speedlights can be tweaked right from the R2 Pro Mark II. Now, R2 Panasonic and Olympus photographers can enjoy unparalleled flexibility and control over their multiflash strobist setups, right from their DSLR. More than all this, the R2 Pro Mark II O provides Second Curtain Sync, HSS, high-speed synchronization, and remote modeling light status.

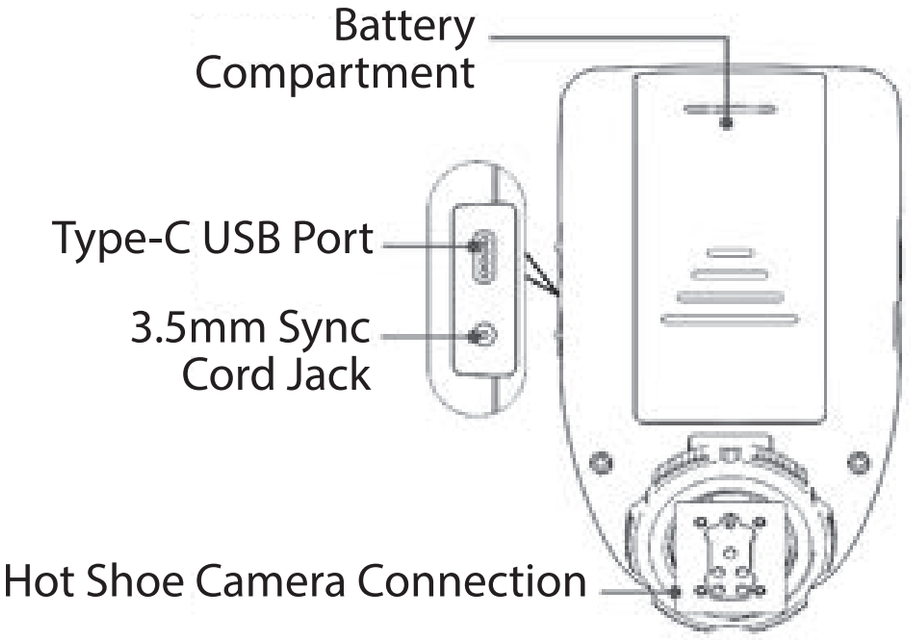
The incredible range of these compact and lightweight units as well as their integrated functions and features make them the first choice of professional photographers. The proprietary TTL enabled 2.4GHz R2 Radio Remote System radio triggers transmits atop a Panasonic and Olympus body with laser AF assist and works with the complete family of Flashpoint Speedlights, Monolights and Strobe lights with unrivaled R2 TTL radio transceiver built right in.

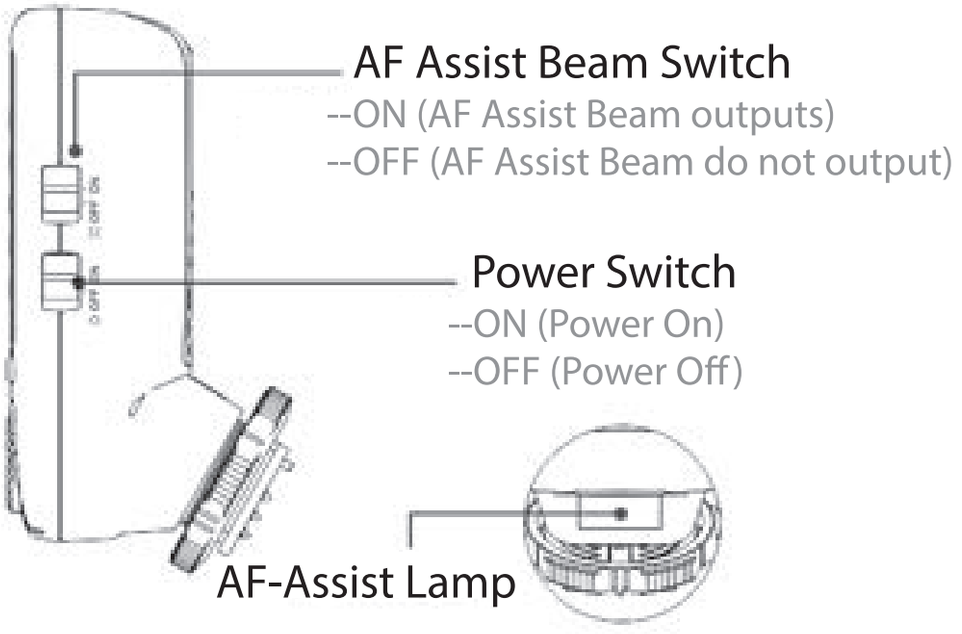
The R2 Pro Mark II O is the natural choice for heading up the Family of R2 Wireless Remote.

Features

- The absolute R2 Family remote transmitter light master for Panasonic and Olympus cameras
- Dedicated Quick Access Buttons – LOCK, BEEP, ZOOM, MODELING LIGHT, LARGE Single Group DISPLAY, Single Group TEST, ALL global tweaks, HSS, TCM, and MENU
- Centrally located Group buttons surround the large Select Dial
- Bluetooth link to Smartphone APP command
- Instant 2 Way conversion of TTL settings to Manual values – TCM - guarantees repeated exposure accuracy
- Full graphic display of 5 Groups simultaneously
- Manual flash 1/1 - 1/256 power
- HSS (High Speed Sync) up to 1/8000 (depending on camera specs)
- Modeling light status with Power Control
- Address by Group for Model, Tone, Power and Test Fire
- Stroboscopic Multi flash with disable function
- Handles multiple R2 receiver flashes in up to 16 Groups
- Selective transmission of data conserves energy and battery life
- Magnification Function displays details of a single Group settings
- Global adjustments to exposure values for multi-group in M mode
- Adjusts the flash Zoom coverage for each Speedlight in the Group
- Flash exposure compensation with FE Lock
- First and Second Curtain Sync
- 16 Customizable Functions
- Mac and PC firmware update friendly

Names of Parts





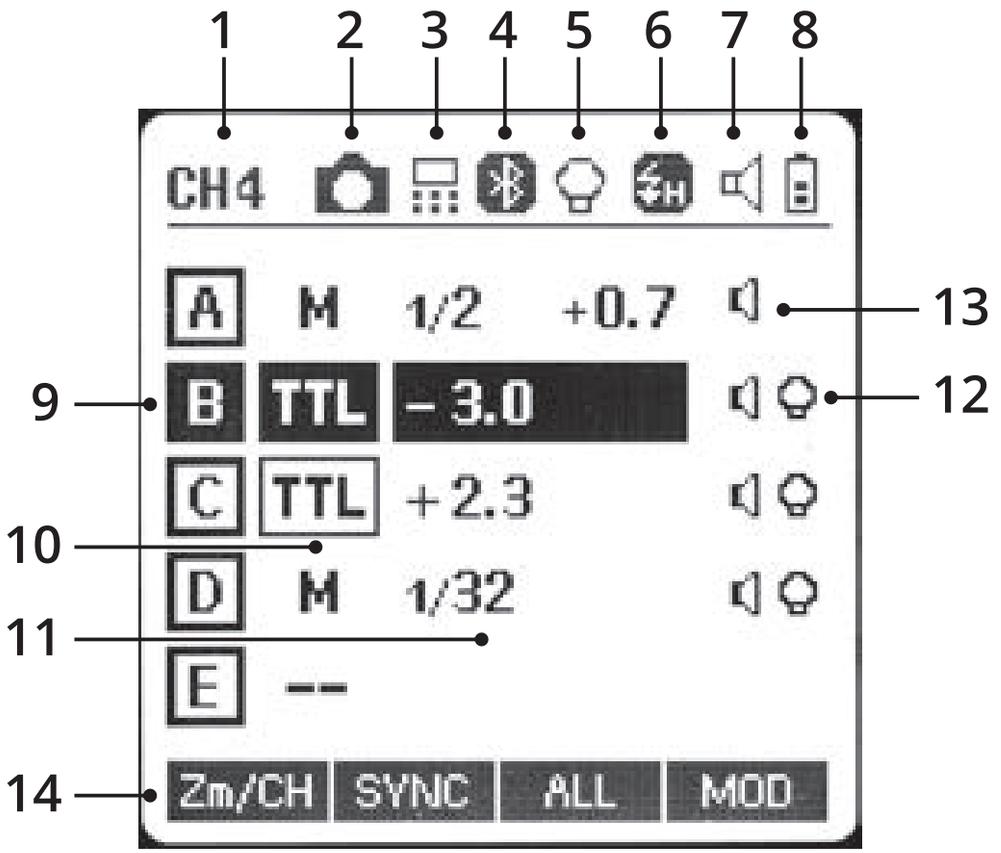
• Body

1. LOCK Mode Selection/Locking Button
2. Audio Buzz
3. Zoom
4. Modeling Lamp
5. Single Group Display
6. Flash Mode
7. Group Buttons / A~E
8. Single Group Test Button
9. Sync Mode
10. ALL Groups Select
11. TCM Button
12. Menu / Custom Functions
13. Soft Function button
14. TEST / Open Flash Button
15. LCD / Button backlight
16. Select Dial
17. Status Indicator Lamp

---Green: Trigger (Flash) + Focus (Camera)
---Red: Trigger (Flash) + Shutter (Camera)

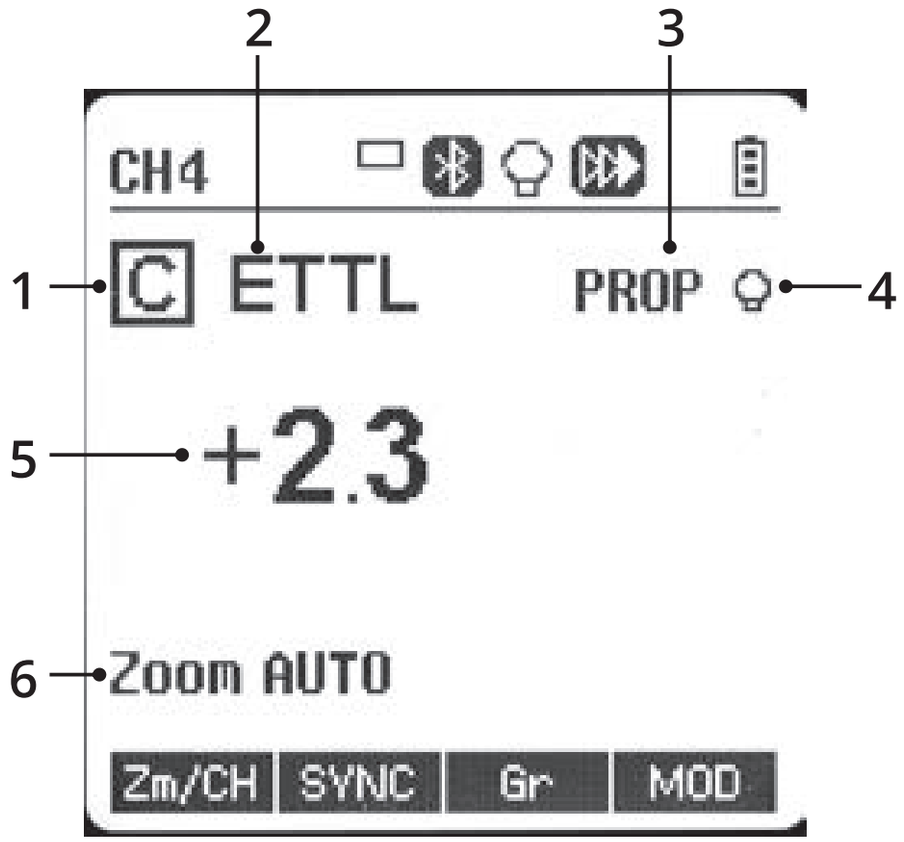
• LCD Panel Guide

Multiple Group Display



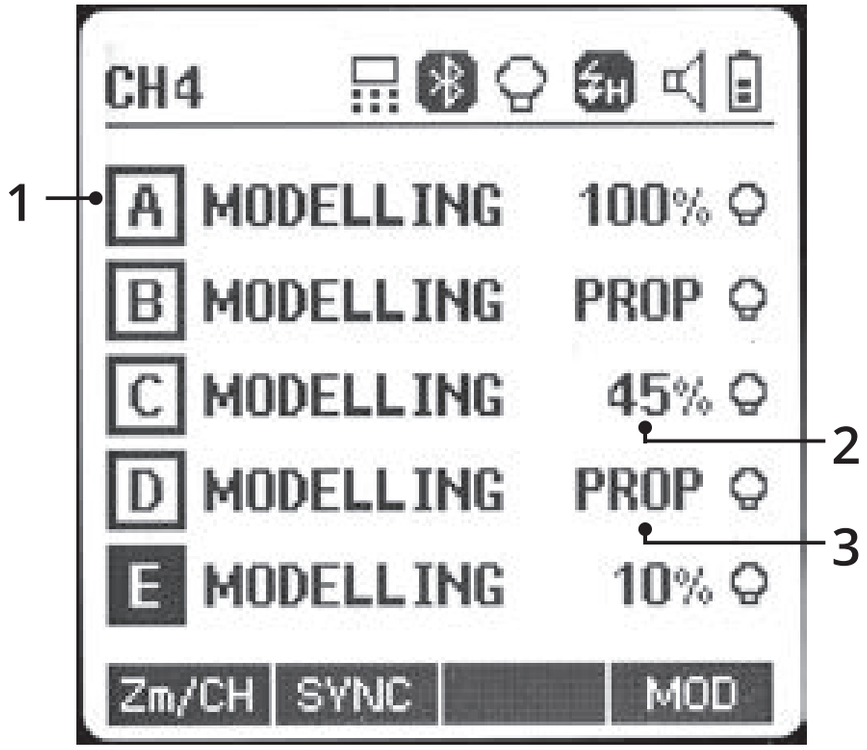
1. Channel (32)
2. Camera Connection
3. LCD / Button Backlight Status
4. Bluetooth
5. Modeling Lamp Master Control
6. High-Speed / Rear Curtain Sync
7. Sound
8. Battery Level Indication
9. Group
10. Mode
11. Power Level / FEC
12. Group's Modeling Lamp
13. Group's Sound
14. Soft Button Labels

Single Group Display



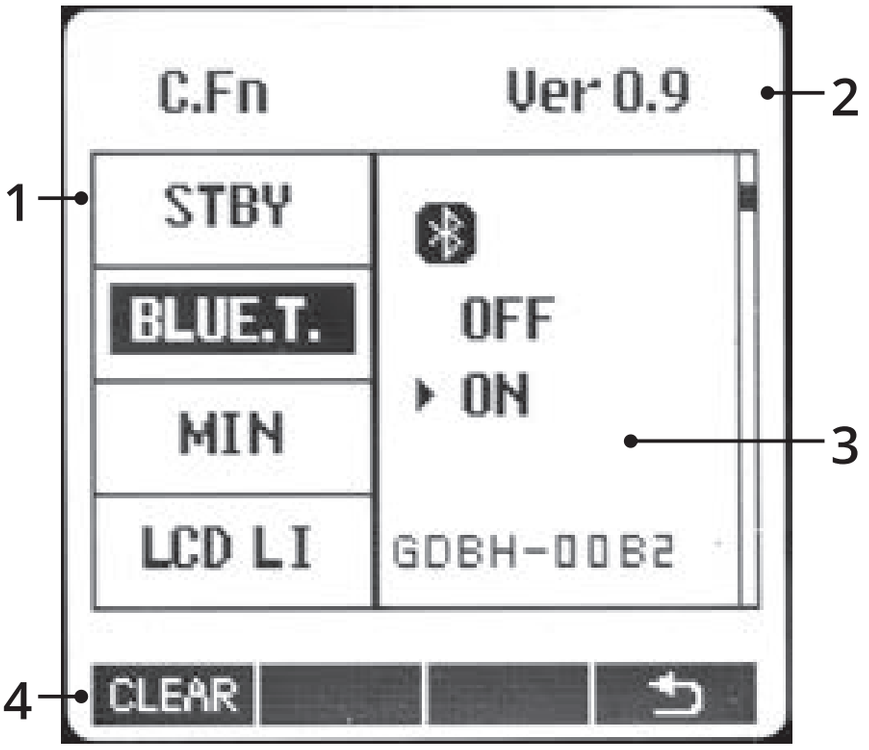
1. Group
2. Mode
3. Modeling Lamp Mode / Level
4. Modeling Lamp Status
5. FEC / Power Setting
6. Zoom Setting

Multiple Groups Modeling Display



1. Group
2. Manually set lamp percentage
3. Proportional to power

Menu / Custom Function Display



1. C.Fn Menu
2. Firmware Version
3. Submenu Options
4. Soft Buttons

Battery

AA alkaline batteries are recommended for the best performance.

- **Installing Batteries**

  Slide the battery compartment lid of the R2 Pro Mark II O and insert two AA batteries correctly.

- **Battery Indication**

  The level of the battery is displayed on the upper right corner of the LCD panel.

  When the battery icon shows less than 1 grid, it is time to replace the weak cells with new batteries to assure a strong wireless signal and reliable flash triggering. A blank or blinking icon indicated the immediate necessity to replace with AA Alkaline batteries. The icon does not show accurate levels for Ni-MH batteries as they tend to deliver less than optimal voltage and display false voltage readings.

Setting the R2 Pro Mark II O Flash Trigger

See the illustrations at the beginning of this manual for visual reference.

- **Power Switch**

  Slide the Power Switch to ON. The LCD Panel is activated, and the unit is ready for your commands.
  Note: Avoid excessive power consumption by turning off the transmitter when not in use.

- **Automatically Enter Power Saving Mode**

  The system automatically enters standby mode after an idle period of over 90 seconds. The LCD panel display turns off to conserve energy.
  Press any button to wake the R2 Pro Mark II O. If the flash trigger is attached to the hot shoe of a Panasonic or Olympus camera, a half press of the camera shutter can also wake the device.
  The transmitter can be set to remain on by entering the ≡ MENU C.Fn and choosing the option STBY / OFF.

- **Power Switch of AF Assist Beam**

  Slide the power switch to **ON**, and the AF assist beam is set to output.
  When the camera cannot focus due to poor light conditions, the AF assist beam will turn on. When the camera can focus with sufficient lighting, the AF assist beam will turn off.

- **Channel Setting**

1. Short press the **<Zm/CH>** button and the channel value can be set.
2. Turn the Select Dial to choose the appropriate channel. Press the **<Set>** button to confirm the setting.
3. This R2 Pro Mark II O transmitter has 32 channels which can be selected from 1 to 32. Set the transmitter and the receiver to the same channel value.

• Wireless ID Settings

Change the wireless channels and wireless ID's to avoid interference from other wireless devices and electronic signals. Remember, R2 sync can only be established if the wireless IDs and channels of the master unit and the slave unit are set to the same values.

Press the ≣ **<MENU>** button to enter the C.Fn of ID. Press the **<SET>** button to choose the status of the ID channel, ON or OFF, and choose any figure from 01 to 99 if you want the added ID frequency protection.

Note: Not all versions of Flashpoint R2 flashes have wireless ID setting function.

• Mode Settings

1. Short press the **<MODE>** button, and the mode of the current selected Group changes in a scroll progression of TTL/M/--- modes.
2. Set the Groups to five groups in ≣ C.Fn GROUP (A-E) to have access to the Group Modes.
3. When multiple Groups are displayed, press the **<MODE>** button to switch to the MULTI (Stroboscopic) multi-group mode. Double pressing the corresponding group selection button can set that Group MULTI mode to ON or OFF.

   When displaying multiple groups, press the single group selection button or **<MODE>** button, and only the current group's mode changes by the progression order of TTL/M/--.
4. When the C.Fn Group is set to 16 groups (0-F), only the Manual (M) mode is available for the Groups.
5. To LOCK the screen from unwanted changes, press the **<LOCK>** button, and "LOCKED" is displayed on the bottom of the LCD panel. The screen is locked, and no parameters can be set. Long press the **<LOCK>** button again to release.

- **Magnification Function**

  This function displays a single Group's settings in detail on one screen. All of the Group values can be set from this view. Switch between the default multi-group display to the one-group mode by choosing a group in multi-group mode and then short pressing the **<⊕>** button to expand the selected group specifics. Then, press the **<⊕>** button to go back to standard five multi-group display.

- **Output Value Settings**

  The power settings for each Group can be set independently in any Mode, or as a linked set of Groups for equal incremental changes all at the same time, only in the M mode.

  The Power Output Value can be displayed in thirds (0.3) or tenths (0.1) steps and expressed as fractions (1/3) or decimals (0.3). Find the choice in MENU/Custom Functions: C.Fn STEP.

- **Multiple Group in M Mode**

1. Press any Group button to choose the group, turn the select dial, and the power output value changes from Min to 1/1 in 0.3 stop increments. Press the <**SET**> button to confirm the setting.
2. When all the Groups are in Manual mode, Press the **<ALL>** button to highlight all of the groups collectively. The global power output value will change in 0.3 stop increments when you turn the Select Dial. Fine changes in power are sent to each Group to gain or lose exposure. Press the **<ALL>** button again to confirm the new setting.

• Single Group in M Mode

1. Turn the select dial and the group's power output value changes from Min to 1/1 in 0.3 stop increments.

   Note: Min refers to the minimum value that can be set in M or Multi mode.
   The minimum value can be set to 1/128 or 1/256 according to C.Fn-STEP.

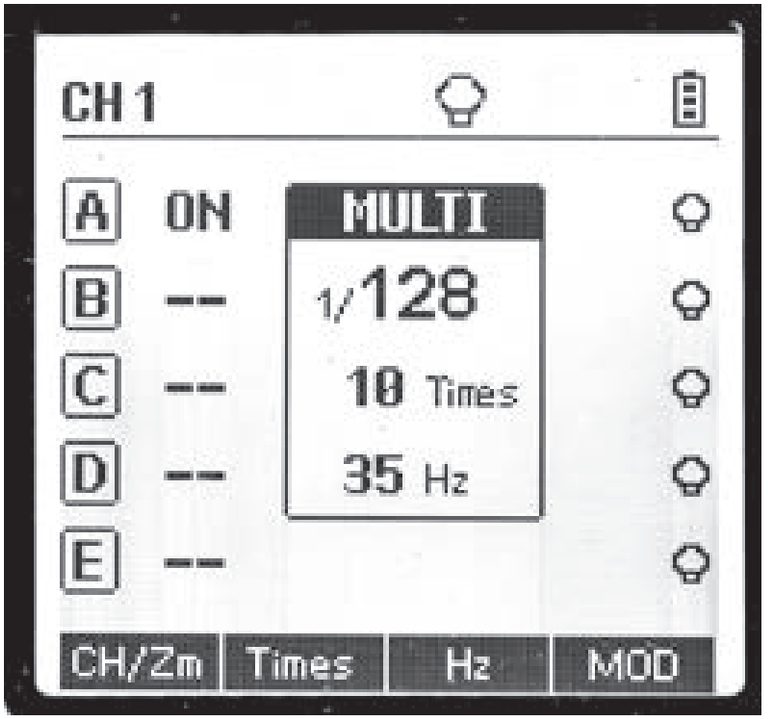
   For Flashpoint speedlights and strobes like the Zoom and eVOLV line, the minimum output value is 1/128 and cannot be set to 1/256. However, the minimum setting of more powerful Flashpoint flashes, like the XPLOR 600 series and Rapid monolights, can be set to 1/256.

• Flash Exposure Compensation Settings

Multiple group selection display in the TTL mode

1. Press the group button to choose the group, turn the select dial, and the FEC value changes from -3 to ~3 in 0.3 stop increments. Press the **<SET>** button to confirm the setting.
2. Press the **<ALL>** button to choose all groups' FEC value, turn the select dial, and all the group's FEC value changes from -3 to ~3 in 0.3 stop increments. Press the **<ALL>** button again to confirm the new setting.
3. Single group display in the TTL mode
   Turn the select dial and the group's power output value changes from -3 to ~3 in 0.3 stop increments.

- **Multi-Flash (Stroboscopic) Settings (Output Value, Times and Frequency)**



In the Multi-Flash mode (TTL and M icons are not displayed).
The three variables are separately displayed as Power Output value, Times (number of flashes in the burst) and Hz (flash frequency).

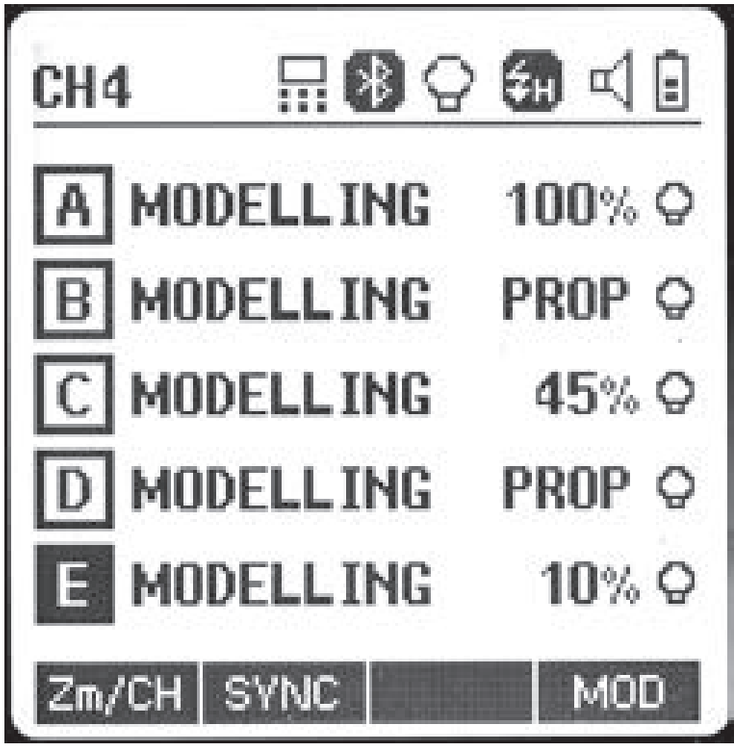
1. Turn the Select Dial to change the power output value from Min to 1/4 in full stops.
2. A short press on the Times button can change flash times. Turn the select dial to change the setting value.
3. A short press on the **<Hz>** button can change flash frequency. Turn the select dial to change the setting value.
4. A short press of the **<MODE>** button exits the setting status. No values blink, indicating a fixed value for the feature.

In the Multi-flash setting submenu, when no values are blinking, a short press on the **<MODE>** button returns the screen to the default main menu and multiple Groups.

Note: As flash times are restricted by flash output value and flash frequency, the flash times cannot surpass the upper value that permitted by the system.

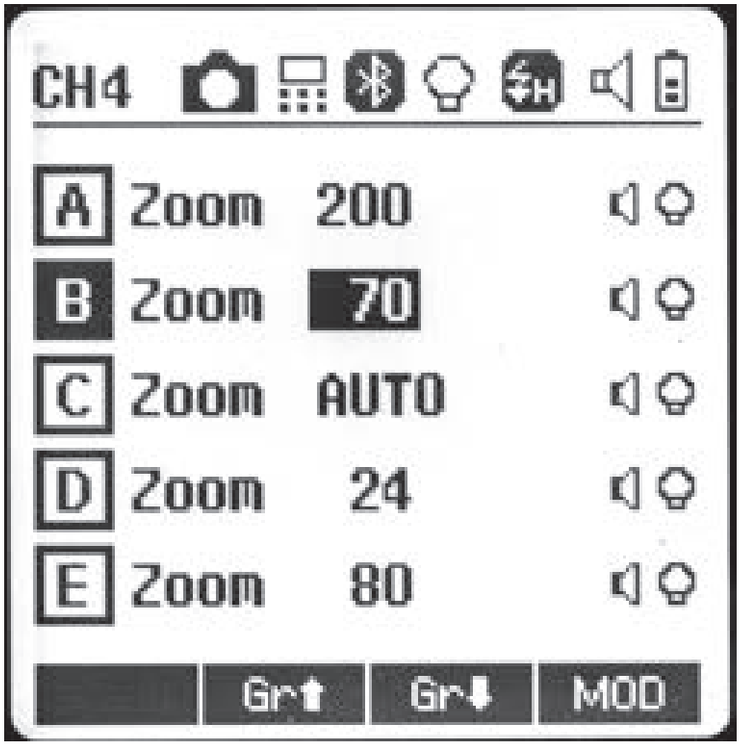
The times that transmitted to the receiver are a real flash time value, which is also dependent to the camera's shutter setting. Care should be taken to set the shutter speed long enough for the complete burst of multiflash.

- **Modeling Lamp Settings**



1. When displaying multiple groups, press the **<MOD>** button to control the ON/OFF status of the modeling lamp.
2. Double press the button under the default multi-group display, to individually or globally control the Groups modeling lamp.
3. To control the modeling lamp status of a single Group, double press the button Modeling lamp setting, select the group and press the button to switch ON/OFF of the selected group's modeling lamp.
4. To control the mode of the modeling lamp (PROP/Proportional or PECT/Percentage, 10-100% user selected value), double press the button Modeling lamp setting, select the group and press function soft button #4 to set the mode and output of modeling lamp
5. To change between the standard multi-Group display and the modeling lamp settings, double press the button.
6. Press button under single group display to switch the modeling lamp ON/OFF.
7. Under a single Group display, double press the button, and press function button #4 to set the mode and output of Groups modeling lamp.
8. Double press button again to exit modeling lamp setting display.

• ZOOM Value Settings



The setting for the Zoom function on the Zoom Series Speedlights can be controlled with the Z button. The flash head focal length value will be displayed for each linked Zoom Speedlight on the LCD panel. Choose the Group that has the ability to change the Zoom coverage setting and turn the Select Dial.
The ZOOM value range from AUTO/24 ~ 200.
Choose the desired value and press the Z button again to get back to the main display.

Note:
The flash's ZOOM setting must be set to Auto (A) mode for it to respond to R2 Pro Mark II O.

• Shutter Sync Settings

1. High-speed sync: Press the **<SYNC>** button and is displayed on the top row of the LCD panel.
2. Second-curtain sync: press the **<SYNC>** button and is displayed on the top row of the LCD panel.

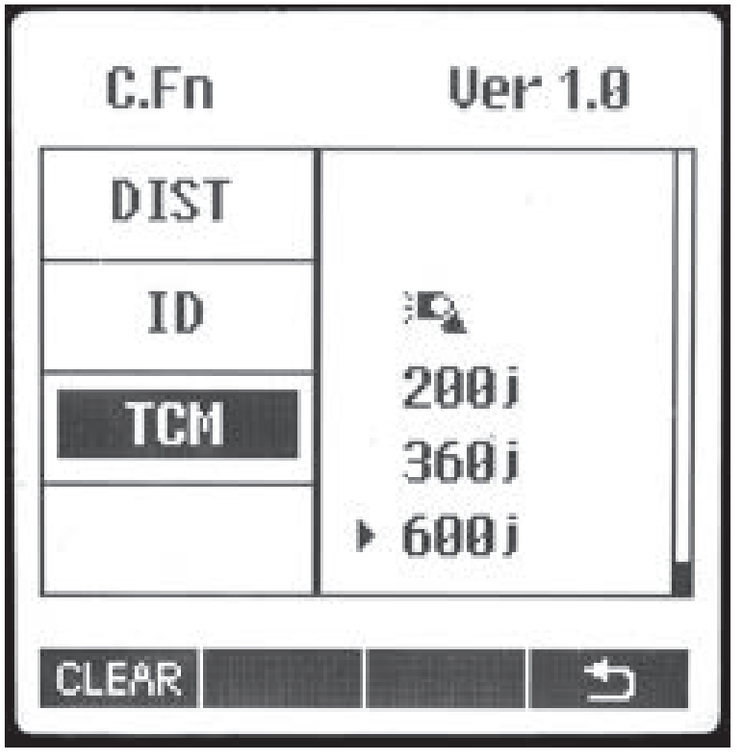
• Buzz / Audio Settings

For Single Groups: Press the **<BUZZ>** button to switch the audio Buzz ON/OFF for a single link Group. Choose ON to turn on the BEEP and OFF to turn off it.
For all the Groups collectively: Press the **<BUZZ>** button to turn OFF or ON all of the linked Groups at once.

- **Sync Socket Settings**

Press the ≡ **<MENU>** button to enter C.Fn, select SYNC and press the **<SET>** button to choose IN or OUT. Press the ≡ **<MENU>** button again to back to the main menu.
When choosing IN, this sync socket enables R2 Pro Mark II O to trigger a flash.
When choosing OUT, this sync socket sends trigger signals to trigger other remote control and flash.

- **TCM Function**

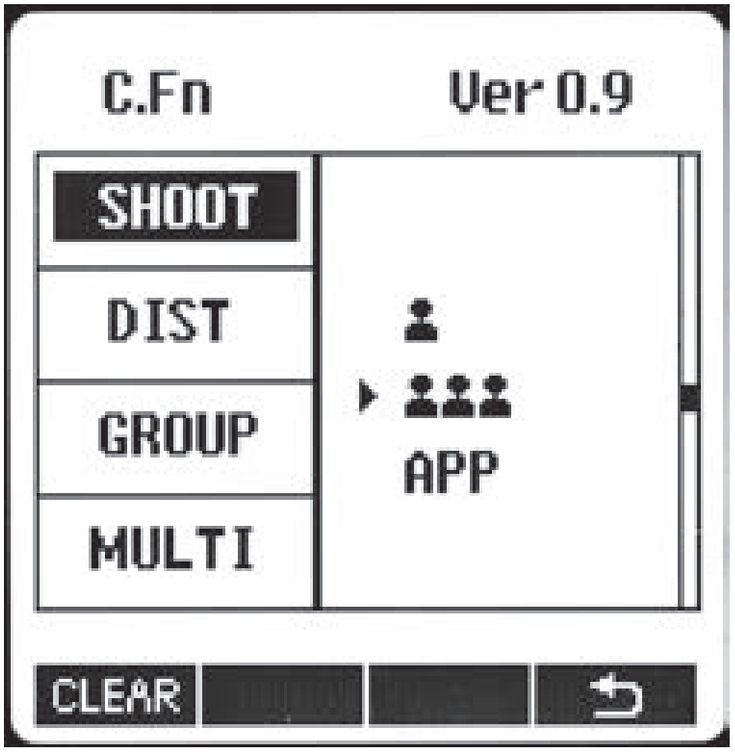


The TCM fusion function is an exciting, unique proprietary feature that automatically transforms TTL data into the appropriate power output value in M mode for each of your R2 devices, as long as they are in individual groups. TCM fusion overcomes the exposure fluctuations that may occur in TTL shooting by saving the successful exposure value to the Manual setting for repeat capture accuracy. The manual power levels can then be further refined, and provide consistent exposures for further shots in the same setup and environment. The original TTL values are saved by the Pro Mark II for an instant reversal back to TTL from Manual TCM settings.

1. Set the flash trigger to TTL mode. Press the camera shutter to make an accurate exposure in TTL mode.
2. Press the TCM **<TCM>** button, and the flash value in TTL mode transforms into power output value in M mode and command all of the remote units to accept these settings in Manual mode. (The displayed minimum value is the set Min. value according to the unit link you specified in the C.Fn TCM).

   Please refer to the Setting Custom Functions (C.Fn) section to see the flash models which are compatible with TCM functions.

• SHOOT Function Settings



The SHOOT feature conserves energy and battery life by limiting the transmission of data from the R2 Pro Mark II O according to your shooting style and presence of other transmitters. The R2 Pro Mark II O can act as a fully enabled TTL device, intermix with other transmitters and photographers on the R2 system, or be directed to as act as a simple flash trigger without transmitting any exposure data.

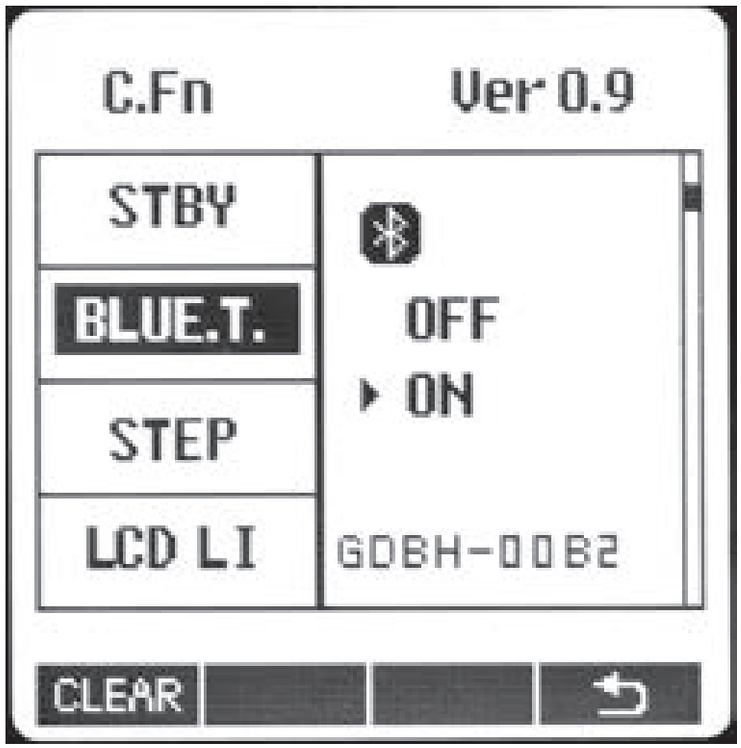
The SHOOT feature also is your gateway to Smartphone APP control.

1. Press the ≡ **<MENU>** button and scroll to select the submenu C.Fn SHOOT. Press the **<SET>** button to choose the single icon or multiple icons, or APP and press the **<MENU>** button again go back to the main menu.
2. Single Person Icon: When shooting alone, choose the single icon. In the M and Multi mode, the master unit only sends triggering signals to the slave unit, which is suitable for one person photography for the advantage of power saving.
3. Multiple Person Icon: When shooting with other photographers, choose the multiple icons, and the master unit sends parameters and triggering signals to the slave units for every exposure, which is suitable for multi-person photographers. Note: this function consumes power quickly.
4. The APP setting directs the transmitter to act as a trigger without relay of any exposure data. The control is only through the Flashpoint R2 Smartphone APP on the M1 Pro flash for smartphones.

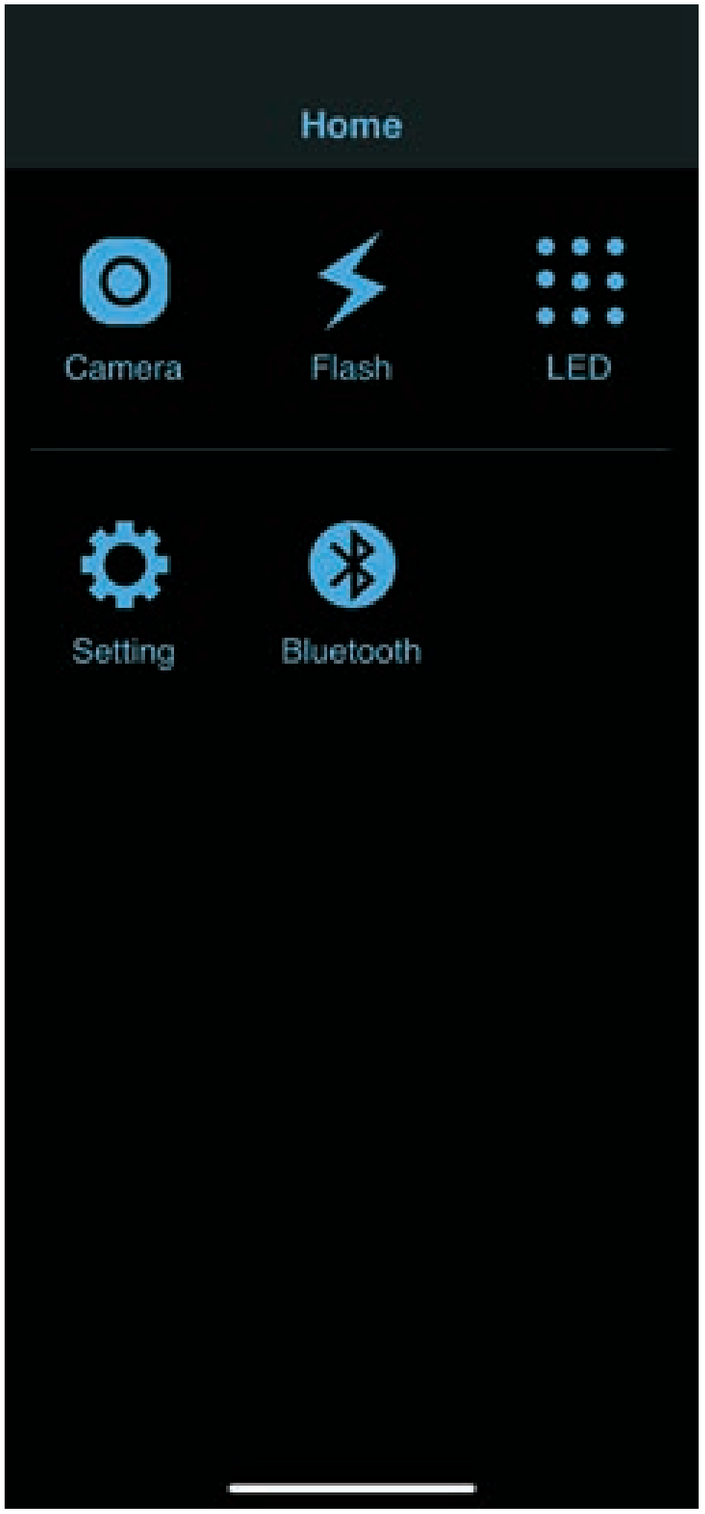
• The R2 Smartphone App

The R2 wireless radio is the stable and sure way to control all of your R2 devices. Using the ingenious Flashpoint R2 APP with Bluetooth to link the Pro MII to your smartphone, extends the photographer controls with a simple and easy to read graphical interface. The Apple and Android APP is at home in the studio as it is on the road. Download the Flashpoint R2 APP from the APP STORE or GOOGLE PLAY.

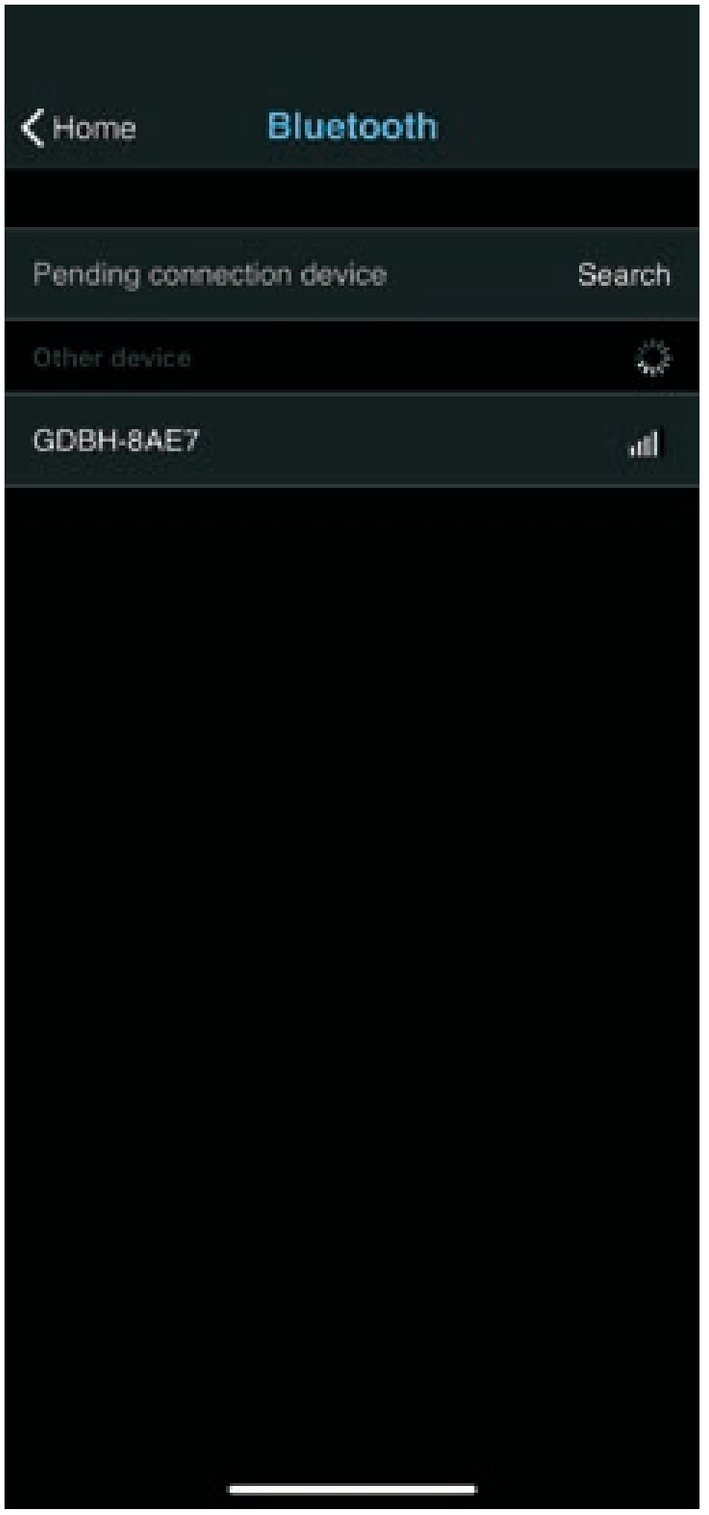
1. After installing the APP, go to the Custom Function **BLUE.T.**
2. Select the **BLUE.T.** Custom Function under the **<MENU>** button to invoke the Bluetooth signal. Choose ON.



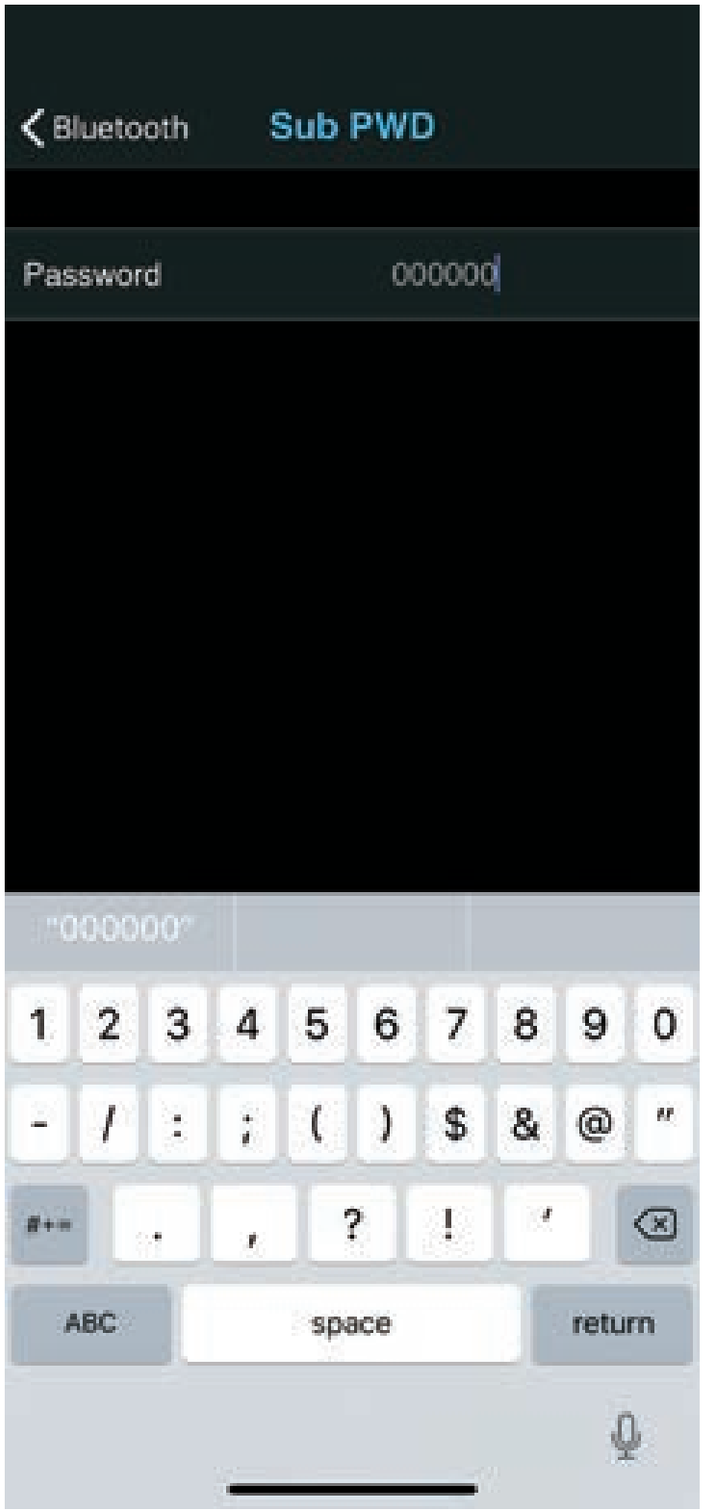
3. Open the APP Homepage on your smartphone.



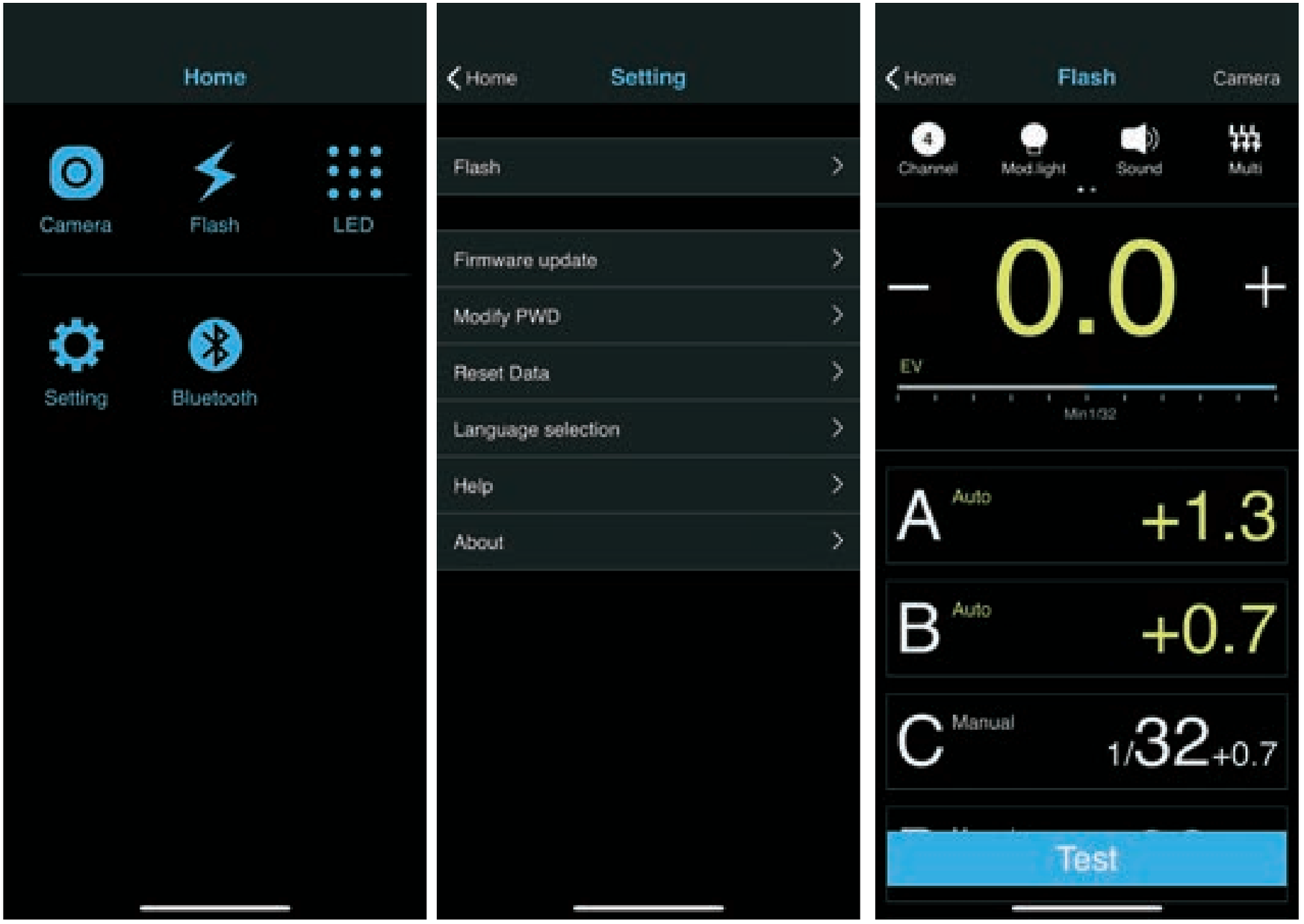
4. Select the Bluetooth icon to invoke up the search for the Pro Mark II ID code on the smartphone scan for new devices.



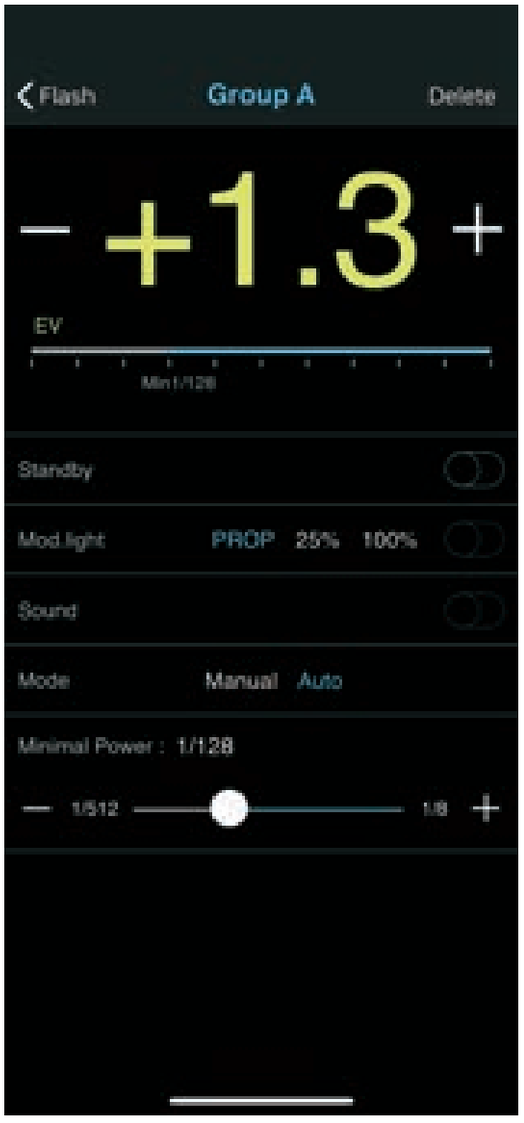
5. Accept the new link, then enter the passcode “000000”.
   The code can be set to your own unique value,
   changeable in the submenu of “Settings”.

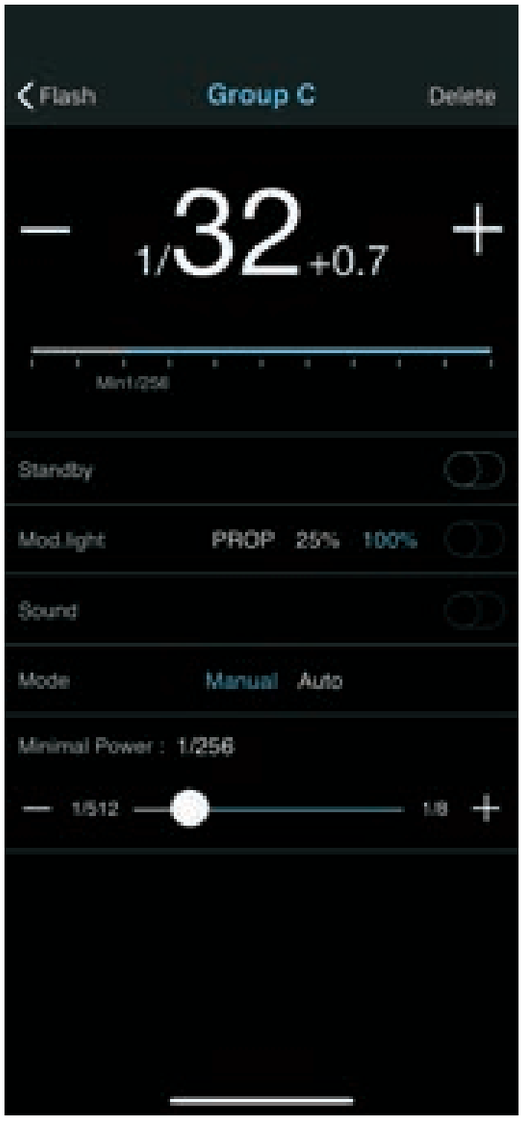


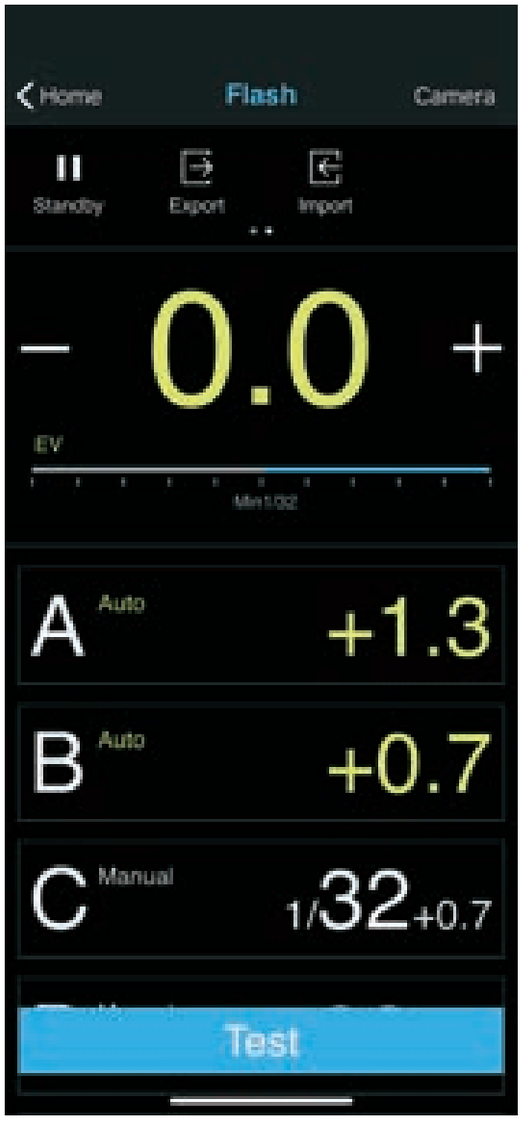
6. Go back to the home screen and select “Camera” to manipulate the Smartphone cameras, “Flash” to control all R2 flashes, “LED” for linked lamps. “Settings” for fine-tuning flash operations, like output regulation in 0.1 or 1/3 steps, the number of Groups, and the style of Power levels, from decimal to fractional amounts, Firmware updates, password customization and reset functions are also part of this submenu section.



7. ”Flash” is the gateway to the R2 wireless display menus. All functions are directly addressable here, from Channel selection, Flash Modes to Power values, for each Group collectively or individually. Touch a Group to see the specific values you want to master. By touching the associated detail, Modeling Lamp intensity, Sound Signal, and Multi-flash can be regulated and tested.







8. Any setting can be saved as an exported set and recalled as an import for repeating a successful setup, instantly. Scroll right of the upper part of the “Flash” screen to reveal the functions.
   All of this wizardry happens from the active Bluetooth link established by the R2 Pro Mark II and the Flashpoint R2 Android or Apple APP.

- **Group Buttons A~E**

Press group button A~E to select the group. All of the Group exposure value can be adjusted.

Double press group button A~E to quickly switch the select Group mode OFF or ON. The output switches from OFF to the previous mode setting.

Long press group button A~E and all Groups are turned OFF except the selected Group.

- **Backlight Button Settings**

Double press the ✹ button for the LCD backlight to 12s and ON. The MENU Custom Function LCD LI should be set to ON.

Long press the ✹ button and the button backlight alternates between 12s and OFF while MENU is set on the BUT LI custom function.

The symbol on the top row of the LCD screen displays the backlight status.

• C.Fn: Setting Custom Functions

The following table lists the Custom Functions of the R2 PRO MARK II O Transmitter.

C.Fn Setting Custom Functions			
Custom Function	**Feature**	**Option**	**Settings and Description**
STBY	Sleep	ON	ON
		OFF	OFF
BLUE. T.	Bluetooth	OFF	No Bluetooth Radio
		ON	Active Bluetooth Radio
STEP	Power output value	1/128 0.3	The minimum output is 1/128–0.3 (thirds) Step
		1/256 0.3	The minimum output is 1/256–0.3 (thirds) Step
		1/128 0.1	The minimum output is 1/128–0.1 (tenths) Step
		1/256 0.1	The minimum output is 1/256–0.1 (tenths) Step
LCD LI	LCD backlight time	12 sec	OFF in 12 seconds
		OFF	Always OFF
		ON	Always ON
BUT LI	Button backlight time	OFF	Always OFF
		12 sec	OFF in 12 seconds
SYNC	Sync cord jack	IN	Enable R2 Pro Mark II O to trigger flash via PC jack
		OUT	Sends triggering signal to trigger other remote control and flash
DELAY	HSS delay	OFF	No delay
		0.1~9.9 ms	Delay 0.1~9.9ms

LCD CON	Contrast ratio of LCD panel	-3-+3	The contrast ration can be set from -3 to +3
SHOOT		Single	Only send triggering signals in the M & Multi mode when the camera is shooting
		Multiple	Send complete parameters and triggering signal continuously (suitable for multiple photographers)
	APP	APP	Only sends the trigger signal when the camera is shooting, no settings. The target flash parameters are only sent by the Smartphone APP with the Flashpoint M1 Pro.
DIST	Triggering distance	0-30m	< 98ft / 30m range transmission
		1-100m	< 328ft / 100m range transmission
GROUP	Group	5 (A-E)	5 groups (A-E)
		16 (O-F)	16 groups (0-F); 16 groups when the receivers are manual studio strobes, set only M mode in this C.Fn.
MULTI	Multi mode (Stroboscopic)	ON	Multi mode ON
		OFF	Multi mode OFF
ID	Wireless ID	OFF	Off
		01-99	Choose any figure from 01-99 (older flashes may not be able to use this function)

TCM	TCM fusion transform function		Zoom R2 TTL series	Directs the power output values in the M mode which transforms from TTL exposure values. The translation to Manual is reversible back to previous TTL exposure settings.
		200j	eVOLV200 TTL R2	
		360j	Streaklight 360 R2	
		600j	XPLOR 600 series R2 TTL	
BIG NUM	Big number display	OFF		Normal text display
		ON		Large number display
RESET	System reset	RESET		System reset

Using the Flash Trigger

The Flashpoint R2 Pro Mark II is the most versatile wireless transmitter for photographers using the powerful, agile and utterly responsive R2 Family of Flash.
Here are 6 ways to make magic happen.

1. As a Wireless Camera Speedlight Flash Trigger

These instructions use the **Flashpoint Zoom TTL R2 Speedlight** as an example, but any of the Zoom R2 Speedlight work the same way.

1.1 Turn off the camera and mount the R2 Pro Mark II O transmitter on camera hotshoe. Then, power on the Pro Mark II flash trigger and the camera.

1.2 Short press the **<Zm/CH>** button to set channel, group, mode and parameters (refer to the section “Setting the Flash Trigger”).

1.3 Turn on the Flashpoint Zoom Speedlight, press the **<** ◂Z▸ **>** wireless setting button and the **<** ((•)) **>** wireless icon and **<SLAVE>** the Slave Mode icon is displayed on the LCD panel. Press the **<CH>** button to set the same channel to the flash trigger, and press the **<Gr>** button to set to the same group as the flash trigger

(Note: please refer to the specific instruction manual when setting other models of the R2 flashes).

1.4 Press the camera shutter to trigger. The status lamp of the flash trigger turns red in synchronization with the speedlight.

2. R2 Lithium Powered Wireless Monolight Flash Trigger

These instructions use the **Flashpoint XPLOR 600Pro TTL R2** as an example, but any of the XPLOR R2 monolights work the same way.

2.1 Turn off the camera and mount the R2 Pro Mark II O on camera hotshoe. Then, power on the R2 Pro Mark II O and the camera.

2.2 Short press the **<Zm/CH>** button to set channel, group, mode and parameters (refers to the section "Setting the Flash Trigger").

2.3 Power on the XPLOR 600Pro (lithium powered wireless monolight) and press the wireless setting button, and the **<** **>** wireless icon is displayed on the LCD panel. Long press the **<GR/CH>** button to set the same channel of the R2 Pro Mark II O, and short press the **<GR/CH>** button to set the same group of the R2 Pro Mark II O.

(Note: please refer to the specific instruction manual when setting other models of the XPLOR R2 wireless monolights).

2.4 Press the camera shutter to trigger and the status lamp of the flash trigger turns red simultaneously.

3. Wireless Studio AC Flash Trigger

These instructions use the **Flashpoint Rapid 600 R2** as an example, but any of the R2 AC powered monolights work the same way.

3.1 Turn off the camera and mount the R2 Pro Mark II O on camera hotshoe. Then, power on the R2 Pro Mark II O and the camera.

3.2 Short press the **<Zm/CH>** button to set channel, group, mode and parameters (refer to the section “Setting the Flash Trigger”).

3.3 Connect the studio flash to an AC power source and power it on. Simultaneously press down the **<GR/CH>** button and **<S1/S2>** button, and the **<** (•) **>** wireless icon is displayed on the LCD panel. Long press the **<GR/CH>** button to set the same channel as the flash trigger, and short press the **<GR/CH>** button to set the same group to the R2 Pro Mark II O.

(Note: please refer to the specific instruction manual when setting other models of AC powered studio monolight flashes).

3.4 Press the camera shutter to trigger. The status lamp of the camera flash and the flash trigger both turn red simultaneously.

Note: In the case of the Studio 400 R2, the flash’s minimum output value is 1/32. The output value of the remote flash trigger must be set to or over 1/32, or the value will not register. As the studio flash does not have TTL and Multi (Stroboscopic) Mode functions, the flash trigger should be set to M (manual) Mode for triggering.

4. Wired Flash Trigger with 3.5mm Sync Cord Jack

4.1 The connection method is the same as the section “As a Wireless AC Studio Flash Trigger” and “As a Wireless Shutter Release”.

4.2 Set the transmitter end’s sync cord jack as an output port. Press the ☰ **<MENU>** button on the transmitter to enter Custom Functions/C.Fn settings. Then, set SYNC to OUT mode.

4.3 Press the shutter normally, and the flashes are controlled by sync cord’s signal from the transmitter.

Compatible Flash Models

Transmitter	Receiver	Flash Model (Flashpoint/Godox)	Note
R2 Pro Mark II O	**R2 Built-In**	XPLOR600 / AD600 series Streaklight 360 TTL / AD360II series eVOLV200 / AD200 Zoom Li-on TTL / V860II series Zoom Li-on Manual / V850II Zoom AA TTL / TT685 series Zoom AA Manual / TT600 Zoom Mini TTL / TT350 QuickerII series Rapid R2 Series / QTII Studio Series / SK II series DP II series GSII	
	R2 Bridge SL (XTR-16)	Streaklight 360 M / AD360 Ring Li-on / /AR400 Quicker series SK series DP series GT/GS series Smart flash series	The flashes with an R2 wireless USB port
	R2 Bridge ZL (XTR-16S)	Zoom Li-on / V860 Zoom Manual / V850	

Note: The chart lists compatibility where both functions are present on the R2 Pro Mark II O and the target flash.

Compatible Camera Models

This R2 PRO Mark II O transmitter can be used on the following Panasonic and Olympus camera models:

PANASONIC / LUMIX					
DMC-G85	DMC-GH4	DMC-GF1	DMC-GX85	DMC-LX100	DMC-FX2500GK

OLYMPUS							
PEN-F	E-P3	E-P5	E-PL5	E-PL6	E-PL7	E-M1	E-M10II

This table only lists the tested camera models. For the compatibility of other M43 series camera models, a self-test is recommended.

Rights to modify this table are retained.

Technical Data

Model	**Flashpoint R2 Pro Mark II O**
Compatible cameras	Panasonic and Olympus [M43] cameras Support for the cameras that have PC sync socket.
Power supply	2 AA batteries
Flash Exposure Control	
TTL autoflash	R2 TTL for Panasonic and Olympus
Manual flash	Yes
Stroboscopic flash	Yes
Features	
HSS (High-speed sync)	Yes
Second-curtain sync	Yes
Flash exposure compensation	Yes, ±3 stops in 1/3 stop increments
Flash exposure lock	Yes
Focus assist	Yes
Modeling lamp	Control the modeling lamp by the flash trigger
Audio Beep	Control the audio signal beep by the flash trigger
Wireless setting	The receiver end can control the camera shooting through the 2.5mm sync cord jack
ZOOM setting	Adjust the ZOOM value by the transmitter
TCM function	Transform the TTL shooting value into the output value in M mode. Reversible in value back to TTL.
Firmware upgrade	Upgrade through the Type-C USB port
Memory function	Settings are stored 2 seconds after the last operation and recovered after a restart

Wireless Flash and Bluetooth	
Transmission range (approx.)	Up to 328ft / 100m
Built-in wireless	R2 2.4GHz
Modulation mode	MSK
Channels	32
Wireless ID	01-99
Groups	5 TTL / 16 Manual
2.4G Wireless Frequency Range	2413.0MHz-2464.5MHz
Bluetooth Frequency Range	2402.0MHz-2480.0MHz
Max. Transmitting Power of 2.4G Wireless and Bluetooth	5dbm
Physical Properties	
Display	Large LCD panel, backlighting ON or OFF
Dimension	4.0×2.5×2.0" / 101×65×51mm
Weight	3.5oz / 99g

Restore Factory Settings

The transmitter software can be reset by using the Custom Function feature RESET. Select the soft button option to clear all previous settings. The process is complete when “RESET” is displayed on the LCD panel.

Firmware Upgrade

The firmware on this transmitter can be upgraded through a Type-C USB cable. The latest firmware for Windows and Mac OS systems can be found at our official website. A Type-C USB cord is not included with this product.

Troubleshooting

Unable to trigger flash or camera shutter.
Make sure batteries are installed correctly, and Power Switch is turned on. Check if the transmitter and the receiver are set to the same channel, if the hotshoe mount or connection cable is well connected, or if the flash triggers are set to the correct mode.

The camera shoots but does not autofocus.
Check if the focus mode of the camera or lens is set to MF. If so, set it to AF.

Signal disturbance or shooting interference.
Change to a different channel on the device.

Operating distance limited or flash failure.
Check if batteries are exhausted. If so, change them.

Caring for your R2 Pro Mark II Flash Trigger

- **Avoid sudden drops.** The device may fail to work after strong shocks, impacts, or excess stress.
- **Keep dry.** The product isn't water-proof. Malfunction, rust, and corrosion may occur and go beyond repair if soaked in water or exposed to high humidity and temperatures.
- **Avoid sudden temperature changes.** Condensation occurs if sudden temperature changes such as when taking devices out of a building or environment with higher levels in temperature and humidity compared to outdoors in cold winter conditions. Please put the R2 Pro Mark II O in a closed case or sealed plastic bag beforehand.
- **Keep away from strong magnetic fields.** The intense static or magnetic fields produced by devices, such as radio transmitters, Wi-Fi, and some LED panels, lead to malfunction.

Two Year Flashpoint Limited Warranty

Flashpoint warrants to the original purchaser that your Flashpoint R2 PRO MARK II be free from defects in material and workmanship for the period of two (2) 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 website contains a wide range of Support and FAQ pages with valuable technical assistance.

Flashpoint is a registered trademark of ADORAMA CAMERA.

FCC Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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.

Warning: Changes or modifications to this unit not expressly approved by the part 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.