FLASHPOINT

R2 SP

Single Pin Transceiver

FPRRR2SPT

Thank you for your Flashpoint purchase!

The Flashpoint R2 SP Single Pin Transceiver extends the power of R2 wireless radio, for manual control within the R2 wireless Family and adds both transmitting and receiving to any hot shoe flash or strobe equipped with a sync port, no matter the age or version. The single Transceiver serves units slave linked or attached to it, with the fantastic dexterity of up to 5 Groups in 32 Channels with the added security of 99 ID's.

The wireless range is maximized by its non-TTL simplicity, with up to 492 feet / 150 meters of clear signal under ideal conditions. One unit can act flawlessly as a transmitter or receiver, or both, reducing your inventory while increasing your remote wireless light force.

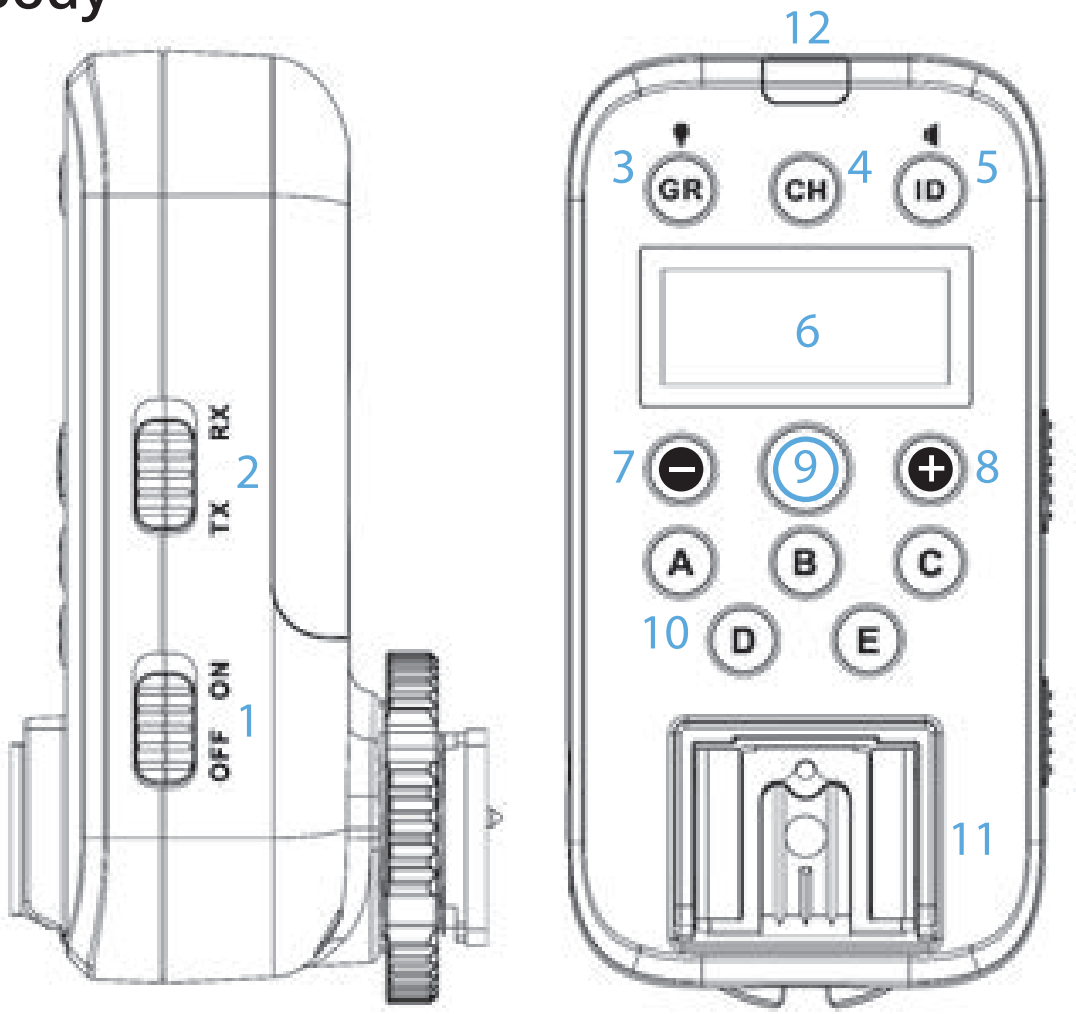
The R2 Fine Family of Flash power settings can be Manually controlled and triggered with utter confidence. The incredible range of these compact and lightweight units as well as their integrated functions and features make them the first choice of professional photographers.

The widely acclaimed 2.4GHz R2 Radio Remote System wireless radio triggers transmits atop a camera body and works with the complete family of Flashpoint Speedlights, Monolights and Strobe lights with the unrivaled R2 radio transceiver built right in: Flashpoint XPLOR400 Pro, XPLOR600 Pro, XPLOR600, eVOLV200, Zoom, Zoom Li-on, and Zoom Mini, Studio 300 and 400, Rapid 400, 600 and 1200, Streaklight 360.

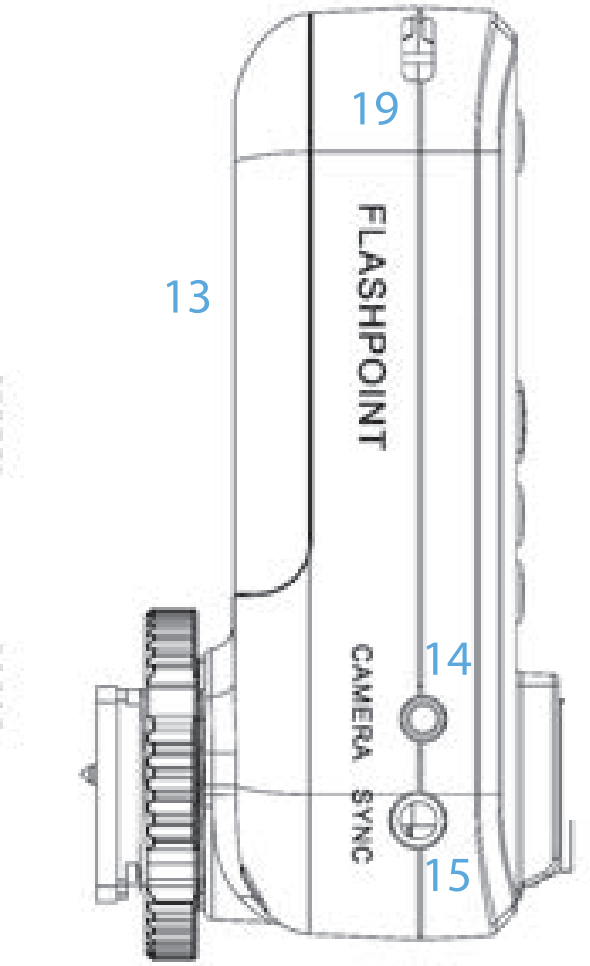
There is so much more to the R2 system than any other brand of flashes, strobes, and monolights. From 5 watt seconds all the way up to 1200ws, the R2 Family is bursting with lighting possibilities and real-life dependable wireless solutions.

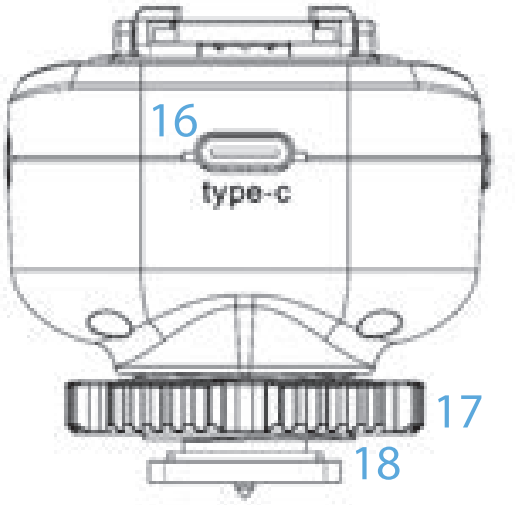
Meet the Transceiver

- **Body**



1. Power Switch
2. Transmitter/Receiver Mode Switch
3. Group/Model Lamp Selection Button
4. Channel Selection Button
5. Wireless ID/Audio Beep Button
6. LCD Info Panel
7. Value Decrease Button
8. Value Increase Button
9. Test / Shutter Release Button
10. Group Selection Buttons
11. Speedlight Hot Shoe
12. Status LED

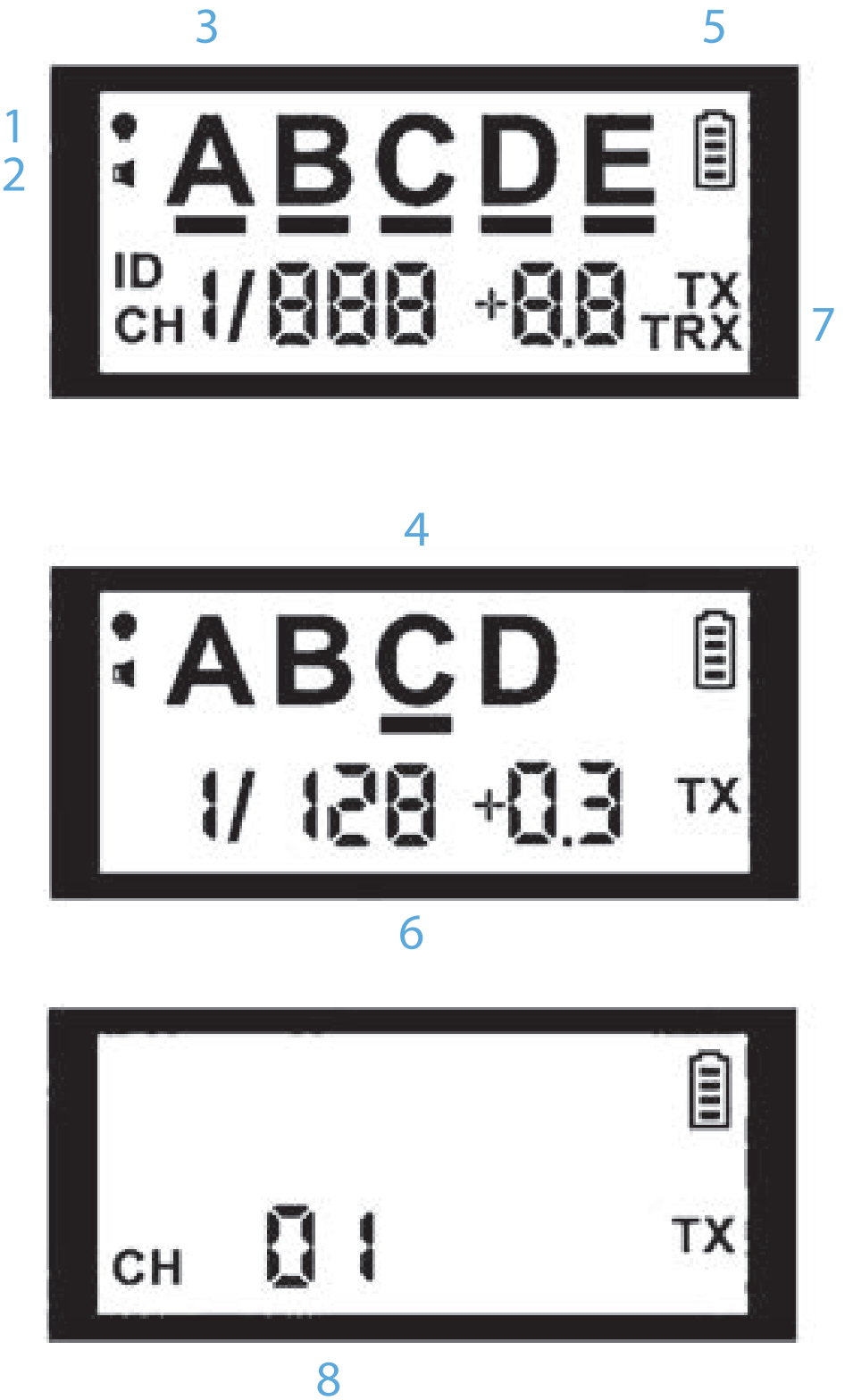


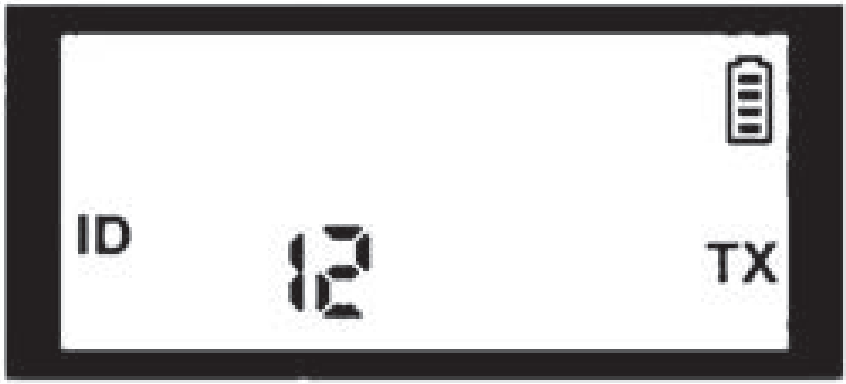


13. Battery Chamber
14. Camera 2.5mm Shutter Port
15. External flash 3.5mm Sync Port
16. USB Type-C Update Port
17. Hotshoe Locking Ring
18. Camera Hotshoe Foot
19. Lanyard Attachment

For a complete chart of Button Functions, refer to the Specification section of this manual.

- LCD Panel





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1. Modeling Lamp Icon
2. Audio Beep Icon
3. Group Letters
4. Group Underline (Current Group)
5. Battery Level Status
6. Power Level Setting
7. Transceiver Status
8. Channel Value (1-32)
9. ID Setting (01-99)
10. APP Mode

Operation

• Battery installation

1. Press the battery chamber cover slightly and slide the cover outward to reveal the battery slots.
2. Install 2 AA batteries in the proper orientation.
3. Replace the battery chamber cover securely.

   The Flashpoint R2 Single Pin Transceiver is most efficient when used with 1.5 volt AA Alkaline batteries installed and provides a stronger radio signal. Rechargeable Ni-MH and NiCad AA cells are safe to use. However, since the cell voltage is only 1.2 volts, the battery level indicator may show a falsely low charge value.

   Replace the batteries when the battery level icon has no contents, indicating an empty set of cells.
4. Turn the Transceiver on by sliding the Power Switch to ON.

The Flashpoint R2 SP Single Pin Transceiver operates in three modes: Transmitter, Receiver, or as a Transceiver for Wireless Shutter Release Function.

• Transmitter (TX) Mode Instructions

The Transceiver transmits to all R2 wireless radio receiving devices, as well as other Single Pin Transceivers set to RX (Receiver) Mode, that are set to the same Channel, Group, and ID as the Transceiver in TX (Transmitter) Mode.

1. While both the camera and the Transceiver is OFF, slide the Transceiver onto the camera hotshoe and rotate the Hotshoe Locking Ring to tighten.
2. Switch on the camera and the Transceiver.
3. To enter TX Mode, slide the TX/RX Mode Switch (2) to TX (Transmitter) position. Note the TX icon displayed under the Battery Level symbol.
4. Turn ON a Group of your choice by double pressing the corresponding Group button (10). When a Group letter is displayed on the LCD screen, with a power level shown below the letter, that Group is currently set to ON. When a Group is not in use or switched OFF, “OFF” is displayed, or the Group Letter is not shown.
   The Transceiver has five R2 flash Groups (GR): A, B, C, D, and E. Make the same Group selection on the receiving R2 device.

5. Select the Channel on the Transceiver by Long Pressing the CH Button until the CH value blinks. Press the “—" or “+” button to change the Channel from 1~32. Press the TEST button, or wait 3 seconds for the Channel value to be stored in memory, and return to the main screen. Set this Transceiver and R2 receiving device to the same value.
6. For added security and multiple device control, select the ID on the Transceiver by long pressing the “ID” button. The ID value blinks on the LCD panel. Press the “—" or “+” button to change the Wireless ID setting from 1~99. Press the TEST button, or wait 3 seconds for the ID value to be stored in memory, and return to the main screen. The Receiver unit must match the same ID value.
7. The LCD panel displays the Groups that are actively synced. Each Group is set for manual power levels, Modeling Lamp status and Audio Beep tone.

   Short press the Model Lamp button (3) to switch the Modelling Lamp ON and OFF. Note the Model Lamp Icon on the LCD Display.

   Short press the Audio Beep button (5) to switch the Audio Beep ON and OFF. Note the Audio Icon on the LCD Display.

8. To adjust a Group's power level, set the Group to ON by double pressing the corresponding Group button (10). When a Group letter is displayed on the LCD screen, with a power level shown below, that Group is currently set to ON.

   Press the "—" or "+" button to adjust the power level for that Group.

   To switch a Group OFF, Double Press the Group Letter, and "OFF" will be displayed.

Group Management in TX Mode

Single Press a Group Button (10) to Display and Adjust the corresponding Groups settings.
Double Press a Group Button (10) to turn the corresponding Group ON and OFF.
Long Press a Group Button (10) to turn ON the corresponding Group ONLY.

• APP Mode

A special APP mode is available for users of the Flashpoint M1 Mini and M1 Pro, whereby the transmitter only sends a fire signal to the receiver flashes. There is no remote control of power levels or other functions available. The transceiver screen displays "APP," while the power levels and Group letters are not visible. Only the battery level indicator, and "TX" remain on the LCD, to show transmitter mode.

To use a smartphone with Flashpoint APP installed, you need to use a Flashpoint M1 Pro / M1 Mini, to provide a Bluetooth bridge connection between the smartphone and lights. The R2 Single Pin Transceiver does not have Bluetooth capability built-in.

The APP mode can also be helpful if you would like to use a second transmitter in hand, to remotely set the lights power levels, while the transmitter on the camera only fires the remote linked R2 flashes in sync with the camera.

Find the Flashpoint APP on the web in the Google Play Store or App Store for iPhones or Android Smartphones.

1. To enable APP mode, with the Transceiver TX/RX Mode Switch (2) set to TX (Transmitter) position, long press the GR button (3) until “APP” is shown on the Transceiver’s LCD display.
2. To Exit APP mode, long press the GR button (3) until the Transceivers LCD display returns to the regular TX (Transmitter) Mode.

• Receiver (RX) Mode Instructions

The Transceiver receives signals from all R2 wireless radio transmitting devices, as well as other Single Pin Transceivers set to TX (Transmitter) Mode that are set to the same Channel, Group, and ID as the Transceiver in RX (Receiver) Mode.

The transceiver can connect as a slave to any speedlight with a hotshoe, or any strobe with a wired Sync connection port, as long as you use the correct cable.

NOTE – In RX (Receiver) Mode, to prevent any setting from accidental change, all buttons on the Transceiver require a long press to have any effect.

When a speedlight flash is mounted on the Transceiver hotshoe, it may block easy access to a number of the Transceiver's buttons. Adjustments to the Group, Channel, and ID is possible using the 3 buttons (3, 4 and 5), located at the top end of the Transceiver. Normally, the Group letter, and "-" or "+" buttons can be used when there is clear access to them.

1. While the Transceiver is OFF, either (A) slide a speedlight onto the Transceiver hotshoe and tighten; or, (B) connect the Transceiver to a strobe through the 3.5mm sync port (15) with a cable.
2. Switch on the camera and the Transceiver.
3. Slide the TX/RX Mode Switch (2) to RX (Receiver) position. Note the RX icon under the battery level symbol displayed on the LCD screen.
4. Select a Group of your choice by either (A) long pressing the corresponding Group letter button, or (B) long pressing the GR button (3) until a Group letter blinks, and then short pressing the GR button (3) to scroll through to your desired Group. Press the TEST button, or wait 3 seconds for the Group to be stored in memory (The Group letter stops blinking).

   The Transceiver has five R2 flash Groups (GR): A, B, C, D, and E. Make the same Group selection as on the Transmitter R2 device.
5. Select the Channel on the Transceiver by Long Pressing the CH Button (4) until the CH value blinks. Then either, (A) press the "-" or "+" buttons, or (B) keep short pressing the CH button (4) to scroll through to the desired Channel, from 1-32. Press the TEST button, or wait 3 seconds for the CH value to be stored in memory, and return to the main screen. Set this Transceiver and the R2 transmitting device to the same value.

6. For added security and multiple device control, select the ID on the Transceiver by long pressing the "ID" button (5) until the ID value blinks on the LCD panel. Then either, (A) press the "-" or "+" buttons, or (B) keep short pressing the ID button (5) to scroll through to the desired ID value, from 1–99. Press the TEST button or wait 3 seconds for the ID value to be stored in memory, and return to the main screen. The Receiver unit must match the same ID Value as the Transmitter.
7. The LCD panel displays the Groups selected, as well as the Battery Level Indicator, and RX Mode icon.

   NOTE – The selected Group may display “OFF” underneath the Group letter, if that Group has been set to OFF from the Transmitter device. The Group is still set as the currently assigned RX (Receiver) Group in this setting.

• Transceiver (TRX) Mode Instructions

TRX mode is provided as a Wireless Remote Camera Shutter Release Mode.

RX Mode - With the Transceiver set to RX Mode, only a remote camera shutter can be triggered.

TRX Mode - With the Transceiver set to TRX Mode, a remote camera shutter, and remote flashes can be triggered, in sync together with the remote camera shutter. With just one Transceiver connected to the camera. The R2 Single Pin Transceiver actually provides 2 Camera Shutter Release Modes.

A. RX Shutter Release Mode

1. Connect a suitable shutter release cord to the camera's shutter release port, and the other end of the cord to the Transceivers 2.5mm Camera Port (14).
2. Slide the TX/RX Mode Switch (2) to the RX (Receiver) position. Note the RX icon under the battery level symbol.
3. Set the Transceiver's Group, Channel, and ID value, as previously described under the RX Mode instructions, to match the transmitter unit being used as the hand-held wireless shutter release remote. The hand-held remote can be any of the R2 transmitter devices.
4. Half press the hand-held remotes TEST button to auto focus the remote camera.

   NOTE – It is generally best to set the camera or lens to Manual Focus Mode, as the camera's autofocus my not lock onto focus, causing the camera shutter not be able to release.
5. Fully press the hand-held remotes TEST button to release the remote camera's shutter.

B. TRX Shutter Release Mode

In TRX Mode a remote camera shutter and remote flashes can be triggered in sync together with the remote camera shutter.

The R2 Single Pin Transceiver must be attached to the camera via a suitable shutter release cord to the camera terminal, as well as mounted securely on the camera's hotshoe.

NOTE - To avoid the hand-held remote causing unwanted test firings of the remote flashes before the remote camera shutter is released, the hand-held Remote Transmitter unit must be set to one channel number higher than the Transceiver attached to the camera, and any remote flashes, or receivers attached to remote flashes.

For example, the hand-held Remote Transmitter unit is set to Channel 2. Set the Single Pin Transceiver attached to the camera, and any remote flash units or flashes with receiver attached, to Channel 1.

TIP - The hand-held Remote Transmitter unit can then be set back to Channel 1 briefly, for test firing the remote lights for light meter readings, and making power level adjustments.

1. Mount the Single Pin Transceiver securely on the camera hotshoe and tighten down the Transceivers locking ring.
2. Connect a suitable shutter release cord to the cameras Shutter Release Port, and the other end of the cord to the Transceivers 2.5mm Camera Port (14).
3. Slide the TX/RX Mode Switch (2) to the RX position. And Long Press the TEST button (9) for 3 seconds, until the LCD panel displays the TRX icon in the right lower corner.
4. Set the Transceivers Channel (as previously described in the RX Mode instructions) to one Channel number lower than the transmitter unit being used as the hand-held wireless shutter release. And the Group and ID to the same value as the hand-held Remote.

   The hand-held remote can be any of the R2 range of transmitter units.
5. Half press the hand-held remotes TEST button to auto focus the remote camera.

   NOTE – It is generally best to set the camera or lens to Manual Focus Mode, as the camera's autofocus my not lock onto focus, causing the camera shutter not be able to release.

6. Full Press the hand-held Remotes TEST button to release the remote camera's shutter, as well as to fire the remote flashes in sync.

In TRX Mode, all of the button functions, and the LED light, operate the same as under the TX Mode.

• More information

To Return to the main LCD screen after setting the Group, Channel or Wireless ID value, there are three options:

1. Wait 3 seconds.
2. Single press the TEST button.
3. Long press the GR, CH, or ID button again.

• LCD Backlight Setting

The LCD panel backlight turns OFF automatically after 30 seconds of idleness. Any button can turn the display backlight ON.

The backlight can be set to remain on by pressing the A and C Group buttons simultaneously for more than 2 seconds. A long press of 2 seconds returns the display to the default 30-second auto shutoff.

• Factory Reset

Perform a factory reset by pressing the “+” and “—" buttons together for more than 2 seconds.

The Flashpoint R2 Single Pin Transceiver is a non TTL device. To enjoy the full advantages of R2 TTL, consider purchasing the unique Flashpoint R2 Pro Mark II, the venerable R2 Pro or the classic R2T transmitters, available for Canon, Nikon, Sony, Fujifilm, Olympus/Panasonic and Pentax system cameras.

Technical Specifications

Frequency	2.4GHz R2 Radio
Wireless Range	Up to 492 ft / 150m Up to 984 ft / 300 m R2 SP as both TX & RX
Channels	32
Groups	5
Wireless ID	100
Power Source	2 AA batteries (Alkaline, Ni-CD, Ni-MH)
Dimensions	1.8 x 3.6 x 1.9 in / 46 x 92 x 48 mm
Weight	2.6 oz / 75 g (without batteries)

Button Function Chart

SP = Single Press DP = Double Press LP = Long Press

BUTTON/MODE	TX Mode
GR	SP: Model Light LP: APP Mode
CH	SP: No function LP: Channel selection
ID	SP: Audio Beep LP: Wireless ID setting
A / B / C / D / E	SP: Selects the Group DP: Group ON/OFF LP: Displays the chosen Groups power levels
—	SP: Decrease the display value
+	SP: Increases the display value
TEST	SP: Remote fire flash orcamera
LED Light	Flashes briefly on send
Camera Port (2.5mm)	Triggers camera shutter remotely
External flash Sync Port	Triggers external flash
Shutter release relay	- - - - -

RX Mode	TRX Mode
SP: No function LP: Blinks current Group, then SP to scroll	SP: Model Light LP: APP Mode
SP: No function LP: Blink's current Channel, then SP to scroll	SP: No function LP: Channel selection
SP: No function LP: Blinks current ID, then SP to scroll	SP: Audio Beep LP: Wireless ID setting
SP: Display Group. Cycle the Groups.	SP: Selects the Group DP: Group ON/OFF LP: Displays the chosen Groups power levels
SP: Decrease the display value	SP: Decrease the display value
SP: Increases the display value	SP: Increases the display value
SP: Fires locally connected flash	SP: Remote fire flash or camera
Constantly blinks every 2 seconds when linked	Flashes briefly on send
Triggers connected camera	Triggers camera shutter remotely
Sync to an external flash for Input and Output	Triggers external flash
Release camera shutter only	- - - - -

Firmware Upgrade

The firmware on this Transceiver is upgradable by connecting it to a computer through a Type-C USB cable. Find the latest firmware for Windows and Mac OS systems at our official website, and follow the instructions.
A Type-C USB cord is not included with this product.

Caring for your Flashpoint R2 Single Pin Transceiver

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 Single Pin Transceiver 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.

Safety First

⚠ 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 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.

A word on interference.

The Flashpoint R2 Single Pin Transceiver transmits and receives radio signals at our proprietary R2 2.4 GHz frequency. Overall performance can be affected by electrical current, magnetic fields, radio signals, wireless routers, cellular phones, and other electronic devices. Environmental objects, such as large structures or walls with embedded beams, trees, fences, even passing cars, can affect performance. If you encounter difficulties with consistent triggering or reception, a different location may help.

Two Year Flashpoint Limited Warranty

Flashpoint warrants to the original purchaser that your Flashpoint R2 Single Pin Transceiver is free from defects in material and workmanship for 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 be 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 comply 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 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.

Declaration of Conformity USA

Product name: R2 SP Single Pin Transceiver
Trade name: Flashpoint
Model number: FPRRR2SPT
FCC ID: 2ASHG-R2SP
Manufacturer: Adorama Inc.

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

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.

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