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# Quick Guide

## PLUS® III

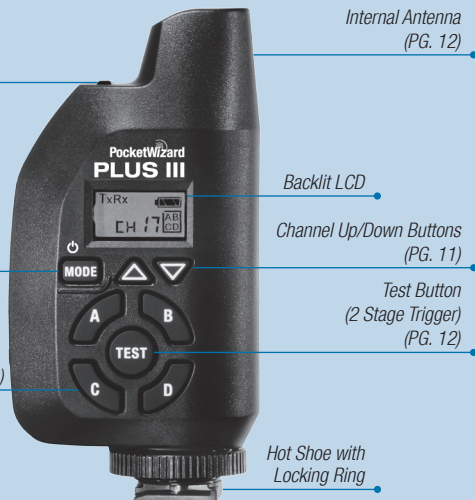
340.00 - 354.00 MHz, US FCC/IC  
433.42 - 434.42 MHz, CE

The Plus III is a radio transceiver, capable of acting as a transmitter or receiver for triggering remote flashes and cameras. It requires at least one other PocketWizard radio for wireless triggering. It can be connected to almost any remote flash or camera with the proper connecting cable. See the cable finder at [PocketWizard.com](http://PocketWizard.com) to find the correct cables for your flashes and cameras.

- Please read this Quick Guide thoroughly before operating.
- Visit [wiki.PocketWizard.com](http://wiki.PocketWizard.com) for complete operating information.

**IMPORTANT:** US FCC/Canada frequency radios are NOT compatible with CE frequency radios and vice versa. For more information on frequency, please go to: [PocketWizard.com/wheretobuy/frequency](http://PocketWizard.com/wheretobuy/frequency)

# PLUS<sup>®</sup> III Transceiver



## READ ME FIRST:

- All equipment should be turned OFF when making connections. Otherwise unwanted triggering or erratic behavior may occur.
- If operation is erratic, check batteries in all equipment first.
- You will need a PocketWizard Transceiver/Receiving PocketWizard radio for each remote flash.
- Set all radios to the same channel.

# PLUS<sup>®</sup> III Transceiver

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## INCLUDED IN BOX:

- Plus III Transceiver
- PC Sync Cable
- 3.5mm (1/8" Miniphone) Cable
- 6.35mm (1/4" Phone) Adapter
- Lanyard
- Quick Guide

# PLUS<sup>®</sup> III Transceiver



## Illustrations FPO

- Always turn OFF all equipment (PocketWizard radios, electronic flashes, cameras, etc.) before making connections or replacing batteries.
- The Plus III will operate reliably using almost any pair of ~1.5 volt AA (IEC:LR6) batteries. Rechargeable batteries will work, though operation time may be reduced and battery level display may not be as accurate. See [wiki.PocketWizard.com](http://wiki.PocketWizard.com) for more information.

# Using your PLUS® III

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**NOTE:** The Plus III slides into hot shoe with the LCD screen facing the side of the camera. See diagram below.



Connect the transmitting Plus III to camera hot shoe and tighten the locking ring



Connect the receiving Plus III to your flashes with the appropriate sync cable

## Plus III Transceiver Basics

### Connecting:

Connect a Plus III to your camera via the hot shoe. This will be your transmitting radio. Connect a Plus III to each of your remote flashes using a connecting cable (see [PocketWizard.com/support/cable\\_finder](http://PocketWizard.com/support/cable_finder)). These will be your receiving radios.

### Powering On:

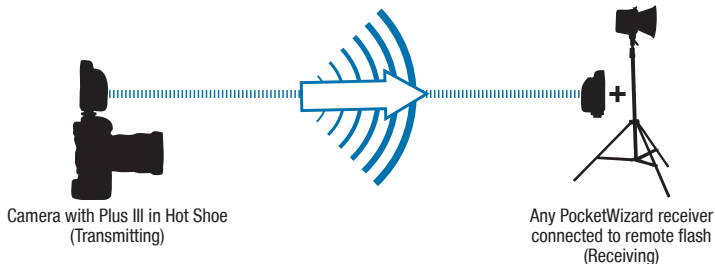
Install batteries noting the proper polarity. To turn on your Plus III, hold down the Power On/Off and MODE Button <⏻> for about two seconds. The Status LED blinks green every few seconds to indicate normal operation. It will blink red in sync with a trigger. Hold down the Power On/Off and MODE Button for about two seconds to turn off your Plus III.

### Channels & Zones:

Your Plus III needs to be on the same channel as other PocketWizard radios. Channels can be set via the Plus III's Channel Up/Down Buttons <△▽>. Any transmitting PocketWizard radio can trigger a receiving Plus III and a Plus III can trigger any receiving PocketWizard radio. When using Channels 17-32, you can specify Zones A, B, C, and D. See "Channels and Zones" section for more info.

# Remote Flash Triggering

**NOTE:** With the transmitting and receiving PocketWizard radios set to the same channel and zone, remote flashes will be synchronized with the camera. To find the right sync cable for your flash visit the Cable Finder at [PocketWizard.com/support/cable\\_finder](http://PocketWizard.com/support/cable_finder)



## Triggering a Remote Flash with your Plus® III Transceiver

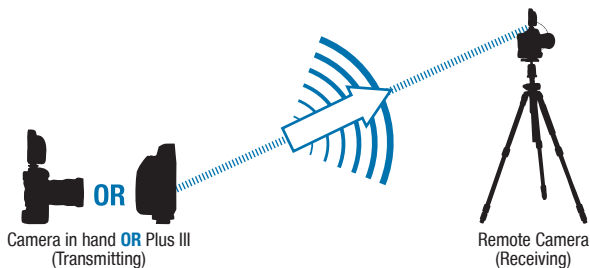
1. Connect a Plus III to your remote flash via the appropriate sync cable.
2. Attach a Plus III to your camera's hot shoe. You may also connect the Plus III radio to your camera's PC sync port using the included cable.
3. Select the Channel and Zone A, B, C, or D via Channel Up/Down Buttons <△▽> and Zone Toggle Buttons. Set any other PocketWizard radios to a matching Channel and Zone. (See the "Using Zones" section for more information)
4. Take pictures normally at or below your camera's X-Sync speed.

**Momentarily pressing the TEST button will test trigger the flash.**

# Remote Camera Triggering

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**NOTE:** The transmitting PocketWizard radio triggers the receiving PocketWizard radio, which fires the remote camera via a remote camera cable. To find the right remote camera cable for your equipment visit the Cable Finder at [PocketWizard.com/support/cable\\_finder](http://PocketWizard.com/support/cable_finder)



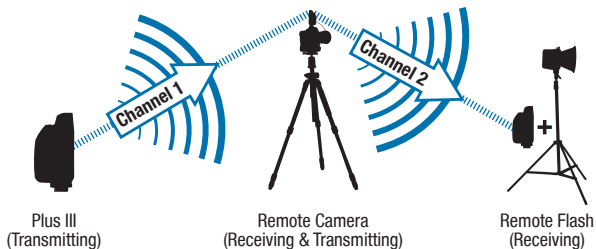
## Triggering a Remote Camera with your Plus III Transceiver

1. Connect a Plus III to your remote camera via the appropriate remote camera cable.
2. Select the Channel and Zone A, B, C, or D via the Channel Up/Down Buttons <△▽> and Zone Toggle Buttons.
3. Press the TEST button on the PocketWizard radio in your hands. The remote camera will trigger.

If the PocketWizard radio in your hands is also a Plus III, you can pre-release the remote camera by pressing the TEST button half way <◐>. This wakes up the camera and lets it respond more quickly and consistently. It can also engage autofocus. To read more about remote camera triggering visit the PocketWizard wiki at <http://wiki.PocketWizard.com/>

# Auto-Relay Mode

**NOTE:** Auto-Relay Mode allows you to trigger remote flashes in sync with a remote camera and requires only three PocketWizard radios. A Plus III Transceiver attached to a remote camera can receive on one channel and then transmit on another channel to trigger remote flashes in sync with the remote camera.



## Using Auto-Relay Mode

1. Set the transmitting PocketWizard radio in your hands to a desired channel and zone.
2. Set the relaying Plus III for your remote camera to the same channel as the radio in your hands and set Triggering Mode to **TxRx**.
3. Connect the relaying Plus III's Flash/Camera port to the remote camera triggering port of the camera via a remote camera cable.
4. Slide the relaying Plus III into your remote camera's hot shoe.
5. Connect your remote flash to a PocketWizard receiver via the appropriate sync cable and set it to one channel higher than the transmitting PocketWizard radio in your hands.
6. Press and release TEST on the PocketWizard transmitter in your hands to begin the sequence. Make sure your transmitting and relaying PocketWizard radios are set to the same zone.



## Modes of Operation

Your Plus III Transceiver supports six modes of triggering for different applications. You can switch between modes by pressing and quickly releasing the MODE button.



**TxRx** Mode allows the radio to be used as a transmitter attached to a camera or as a receiver connected to a remote flash or remote camera. It automatically switches between transmit and receive. This is the default mode.



**Tx ONLY** Mode disables all receiving (**Rx**) functionality and allows you to use your Plus III as a transmitter only. Use this mode when sharing remote flashes with other photographers. This mode will prevent the other photographer from triggering the Plus III on your camera.



**Rx ONLY** Mode disables all transmit (**Tx**) functionality allowing you to use your Plus III radios as receivers for remote flashes or remote cameras. Use this mode when you do not want a remote Plus III to perform relay functions when mounted in the shoe of a remote camera, or to prevent a remote Plus III from triggering other radios when its TEST button is pressed.



**LR (Long Range)** Mode doubles the maximum range of a radio in a given shooting environment. Long Range Mode must be enabled on both transmitting and receiving

# Triggering Modes

radios. Use this mode when triggering remote cameras at greater distances. It can also be used with remote flash, but there may be a reduction in maximum X-sync speed.




**RP (Repeater)** Mode automatically retransmits any triggers received on the selected channel. Use this mode to increase the maximum triggering distance for a remote camera or flash by placing a Plus III half-way between a pair of transmitting and receiving radios. This mode is recommended for use when triggering remote cameras, though it can be used with flash with a reduction in maximum x-sync speed (this is not the same operation as Auto-Relay Mode). Note: You may use multiple radios in repeater mode for extremely long distances. Make sure that each repeating radio can only receive the signal from one other radio, otherwise an endless trigger loop may occur!



**HSR (High Speed Receive)** Mode shortens the contact time of the FLASH/CAMERA port, allowing for triggering of remote flashes at higher FPS (frames per second).

For more information about triggering modes, visit [wiki.PocketWizard.com](http://wiki.PocketWizard.com)



**NOTE:** Some PocketWizard radios, like the MiniTT1 or FlexTT5, operate on Standard channels as well as ControlTL channels. ControlTL channels work with TTL or remote flash power control. This Plus III can work with any PocketWizard radio transmitting or receiving on Standard channels, not ControlTL channels. Visit [wiki.pocketwizard.com](http://wiki.pocketwizard.com) for more information.

## Channels

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The Plus® III Transceiver supports 32 different standard channels. Each standard channel represents a digital code transmitted on specific PocketWizard radio frequencies. This enables many photographers to work in the same area or for one photographer to exclusively control different sets of receivers. A Plus III will trigger any number of receiving PocketWizard radios set to the same channel. Radios set to different channels will not trigger each other.

Press the Channel Up/Channel Down Buttons to change channels.

Features that use Zones are only available on channels 17-32. Visit the PocketWizard wiki for more information about channels at <http://wiki.PocketWizard.com/>

## Using Zones

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Zones can be used to toggle remote cameras or flashes on or off from a transmitting PocketWizard radio. Zones can also be used when sharing flashes with another photographer so only some of the remote flashes are shared, even when using the same channel.

Zones A, B, C, and D are selectable via the Plus III's Zone Toggle Buttons when using channels 17-32. The enabled Zones are displayed in a box on the right side of the LCD. You can enable any combination of all four Zones. A receiving Plus III will only trigger if the transmitting PocketWizard radio has at least one matching zone enabled.

# Other Functions

## Test Button (Two Stage Trigger)

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Half-pressing <◐> the test button on a transmitting Plus III pre-releases a remote camera connected to a receiving PocketWizard radio with a remote camera cable, waking up the camera if it is asleep and making it respond more quickly and consistently, but also reducing battery life. Half-pressing this button does not affect remote flashes.

Fully pressing <◑> the test button fires any remote cameras or flashes connected to receiving PocketWizard radios set to the same channel and zones.

## Status LED

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The Plus III's status LED will blink in three different colors: Green, Red and Amber.

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|--------------|---|
| <b>Green</b> | Blinking indicates good battery life  |
| <b>Amber</b> | Blinking indicates the batteries are getting low or when test button is half-pressed  |
| <b>Red</b>   | Blinking indicates batteries are critically low and should be changed immediately. The status LED turns solid red when Plus III is transmitting or receiving a trigger. |

## Reset

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To reset your Plus III Transceiver back to the default setting, hold the TEST button as you power the radio on. The default mode after a reset is **TxRx** on Channel 17 with all Zones enabled.

# Sustaining High Performance

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**NOTE:** Your PocketWizard radios use the environment as a medium for transmitting and receiving radio signals. The performance of your radios depends on their placement in the environment, nearby radio interference, and the radios' orientation and position relative to each other.



Orientation of transmitting and receiving  
Plus® III's for optimal radio reception



Keep radios away from metal, concrete, or  
high water-content objects

## Wireless Basics

Whenever possible, try to maintain a line of sight between the radios and keep the antennas parallel. Make sure they are not near any large metal, concrete, or high water-content objects. People and trees are mostly water! Make sure they are not blocked by these objects or by hills.

The Plus III Transceiver's antenna is fairly omnidirectional and its orientation should not significantly impact performance in most shooting scenarios, but optimizing for radio reception will always improve the maximum range.

Maintain at least 12" distance between antennas. Avoid direct antenna contact with anything metallic. "Dead spots" have a number of causes, but the solution is usually the same: move the radio a few inches or feet away from the problem area.

# Specifications

## Technical Information

**Frequency:** 340.00 – 354.00 MHz

**Transmit Output Power:** Less than 1 milliwatt (1/1000th of a watt)

**Batteries:** 2 x AA (IEC:LR6)

**Triggering Delay:** 1/2000th of a second

**Bandwidth:** Narrowband

70KHz Transmit

230KHz Receive

**Maximum FPS:** TBA

**Operating Temperature:** Above -15 C (5 F) and below 50 C (120 F)

Always use fresh batteries in cold temperatures.

**Storage Temperature (without battery):** Above -30 C (-22 F) and below 85 C (185 F) without batteries.

**Flash/Camera Port Sync Voltage Tolerance:** 300 Volts

Red LED's are used for dim light application and do not indicate a hazardous status.



**CE Directive**

This product conforms to council directive (1999/5/EC).



**RoHS**

This product is RoHS compliant.

## Warranty

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This PocketWizard® product is covered under a two-year limited manufacturer's warranty. For warranty details, and to register your product, please go to [PocketWizard.com/support](http://PocketWizard.com/support) or contact your local PocketWizard Distributor. Distributor contact information can also be found at [PocketWizard.com](http://PocketWizard.com). To receive a copy of the two-year limited manufacturer's warranty on this PocketWizard product, e-mail us at [warranty@lpadesign.com](mailto:warranty@lpadesign.com) or write to us at LPA Design, 21 Gregory Drive, Suite 140, South Burlington, VT 05403, United States of America, Attn: Warranty.

**Information in this Quick Guide is subject to change. For current operating documentation, features, specifications and compatibility, visit [wiki.PocketWizard.com](http://wiki.PocketWizard.com).**

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To view patents go to: [www.pwpatents.com](http://www.pwpatents.com)

# The FCC wants you to know:

## WARNING

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this 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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver.
3. Consult the dealer or an experienced radio or television technician for help.

This device complies with Part 15 of the FCC rules and also with RSS-210 of Industry Canada. 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.

Plus III FCC ID Number: KDS-PW3-100  
Plus III IC ID Number: 2170A-PW3100





