

  
**PocketWizard**<sup>®</sup>  
MAKE IT POSSIBLE™

## Quick Guide

Mini**TT1**<sup>®</sup>/Flex**TT5**<sup>®</sup>  
for **Nikon** or  
Mini**TT1**<sup>®</sup>/Flex**TT6**<sup>™</sup>  
for **Canon**

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

Thank you for your purchase  
of this PocketWizard radio!  
Please read this Quick Guide  
thoroughly before operating.

Visit [wiki.pocketwizard.com](http://wiki.pocketwizard.com)  
for complete operating  
instructions.



# PocketWizard® ControlTL® Technology

## Welcome to the PocketWizard family!

You can use the MiniTT1® Transmitter or FlexTT5®/FlexTT6™ Transceivers to control single or multiple off-camera electronic or intelligent TTL flashes. The PocketWizard ControlTL System takes the complex TTL data being sent through the camera's hot shoe and digitally interprets and transmits it as a reliable radio signal. You can now place TTL or manual flashes anywhere to illuminate the scene: Around corners, out-of-sight and in bright sunlight.

## What's in the box:

ControlTL radio

Quick guide

USB cable

Battery (1 CR2450 for MiniTT1 or 2 AA Alkaline for FlexTT5 or FlexTT6)

To verify compatibility with your photo equipment, please visit our Wiki at [wiki.pocketwizard.com](http://wiki.pocketwizard.com) and search for either Canon or Nikon.

## This PocketWizard radio runs on powerful software called ControlTL.

This radio is pre-set with default settings to cover most shooting situations or it can be configured to your specific needs. Before using your radios, you will need to download our Utility program and check the firmware. Go to [wiki.pocketwizard.com](http://wiki.pocketwizard.com) and search "Getting Started". It will walk you through the steps to update the radios.



# TTL Setup with Remote Flash

## Before shooting, please note:

**All Users:** Be sure to update the firmware as described in the Getting Started section of the Wiki. See page 2 for details.

**Nikon Users:** Set your camera to use Auto-FP. On most Nikon Cameras, this is Custom Function e1, located under the Custom Setting menu. This setting should be set to the slowest shutter speed with the “(Auto FP)” option. Most Nikon cameras will use “1/250 (Auto FP)”, although some will be “1/200 (Auto FP)”.

**Canon Users:** Please be sure to select your camera from the drop down menu in the Channels tab, after you check the firmware, while the radio is still connected to the Utility program.

## Basic wireless iTTL/eTTL with a remote speedlight:

1. Install the batteries in your PocketWizard radios.
2. Attach the transmitting radio to your camera's hot shoe and tighten the locking ring.
3. Attach your speedlight to the receiving radio and tighten the locking ring.
4. Turn on your flash, set the receiving PocketWizard to C1. Set your flash to regular TTL, not master or slave. A low power flash will be emitted from the connected speedlight, confirming proper communication.
5. Set the transmitting PocketWizard to C1, then turn on your camera.
6. Set your camera to 1/160 and take a calibration shot.
  - a. For Nikon, the remote flash will fire, but may not sync properly.
  - b. For Canon, the remote flash will not fire.
7. Take a second test shot. Your remote flashes will fire a TTL exposure and then you are all set. Happy shooting!

# What else can my PocketWizard® do?

The ControlTL® radios are capable of many advanced functions and it is challenging to include everything in an easy to reference manual. Detailed instructions for every function are available online through our Wiki at [wiki.pocketwizard.com](http://wiki.pocketwizard.com). You can also print out any sections that you need or the entire manual, if you prefer. There are many videos on the Wiki as well, to help illustrate advanced functions. Our Wiki is the best way to ensure the information you have is as up to date as possible.

Go to [wiki.pocketwizard.com](http://wiki.pocketwizard.com) and in the search bar, enter “FlexTT6™” if you have a FlexTT6 or “MiniTT1® and FlexTT5®” if you have a MiniTT1 or a FlexTT5. This will bring you to an overview of the most common features and you can click on the directions from that page.



## Here are some common functions and how to quickly access their page on the Wiki:

Want to add an on camera flash? Look for: **Advanced Wireless TTL**

Would you like to trigger your camera remotely? Search: **Remote Camera Triggering**

Search **HyperSync®** to learn about shooting over X-sync with strobes.

Do you need a remote camera cable or help finding right sync cable for your strobe?

Our cablefinder can help: **[www.pocketwizard.com/cablefinder](http://www.pocketwizard.com/cablefinder)**

Do you want to reset back to factory specs? Find it at: **Factory Reset**

When you have general questions, **The FAQ** might be able to help.

# Reference Information

**Help:** [info@pocketwizard.com](mailto:info@pocketwizard.com)

## Warranty and registration:

This PocketWizard® product is covered by a 2 year manufacturer's warranty. For details, or to register your radio and extend the warranty to 3 years, visit [www.pocketwizard.com/register](http://www.pocketwizard.com/register)

**Patent information:** [www.pwpatents.com](http://www.pwpatents.com)

## Status LED

Normal "waiting for trigger" operation: short green blink every 2 seconds.

- 1 Green blink** = More than 50% remaining
- 2 Amber blinks** = Warning – less than 50% remaining
- 3 Red blinks** = Less than 25% remaining – change immediately

A steady **red** LED in sync with TEST or a camera trigger indicates normal transmission.

A short **red** blink in sync with trigger indicates normal reception.

Repeated **red** blinking indicates an error condition. Power off the unit, reseal all connections, and power back on. If the error persists, verify your settings

## Specifications

**Trigger Delay:** 0 seconds – "faster than a wire" when using compatible TTL cameras, approximately 900 microseconds in Basic Trigger Mode

**Maximum sync voltage:** Hot shoe: up to 50V, via P2 sync port: up to 200V

**Batteries:** MiniTT1® = CR2450 (Canon = 100s of hours, Nikon = 30-50 hours "awake" time)  
FlexTT5®/FlexTT6™: 2 x AA (IEC:LR6) (60 hours)

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

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

**Frequency:** FCC/IC: 340.00-354.00 MHz  
CE model: 433.42-434.42 MHz EU/Asia/Other

# Frequency



FCC/IC:  
340.00-354.00 MHz (<1mW)



CE:  
433.42-434.42 MHz (<1mW)



FCC/IC and CE radios are not compatible with each other.

[PocketWizard.com/wheretobuy/frequency](https://pocketwizard.com/wheretobuy/frequency)

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# 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 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. Mounting and cable connections detailed in this document represent the intended usage, 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.

## USA / CANADA

This device complies with Part 15 of the FCC rules and with Industry Canada Licence-exempt RSS Standards. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Transceiver FCC ID Number: KDS-PW3-004, KDS-PW3-005, KDS-PW3-007 and KDS-PW3-008

Transceiver CANADA IC: 2170A-PW3004, 2170A-PW3005, 2170A-PW3007 and 2170A-PW3008

This portable transmitter with its antenna complies with FCC/IC RF exposure limits for general population/uncontrolled exposure.

# EU Declaration of Conformity

## Simplified EU Declaration of Conformity

Hereby, LPA Design Inc., South Burlington, VT USA, declares that the radio equipment types PocketWizard MultiMAX® II CE (MMX2-CE), Plus® IV CE (P4-CE), Plus® III CE (P3-CE), Plus®X CE (PX-CE), MiniTT1® Canon CE (TT1-C-CE), FlexTT5® Canon CE (TT5-C-CE), FlexTT6™ CE (TT6-C-CE), MiniTT1® Nikon CE (TT1-N-CE) and FlexTT5® Nikon CE (TT5-N-CE) wireless photographic remote control devices are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.pocketwizard.com/support/reference/CE](http://www.pocketwizard.com/support/reference/CE)

## Simplifiée Declaration de Conformité

Par la présente, LPA Design Inc. Burlington South VT Etats-Unis déclare que les types matériel radio PocketWizard MultiMAX® II CE (MMX2-CE), Plus® IV CE (P4-CE), Plus® III CE (P3-CE), Plus®X CE (PX-CE), MiniTT1® Canon CE (TT1-C-CE), FlexTT5® Canon CE (TT5-C-CE), FlexTT6™ Canon CE (TT6-C-CE), MiniTT1® Nikon CE (TT1-N-CE) and FlexTT5® Nikon CE (TT5-N-CE) télécommande photographique sans fil est conforme à la directive 2014/53/UE. Le texte intégral de la déclaration de conformité de l'UE est disponible à l'adresse internet suivante: [www.pocketwizard.com/support/reference/CE](http://www.pocketwizard.com/support/reference/CE)

## Simplificado Declaración de Conformidad

Por la presente, LPA Design Inc. South Burlington VT EE.UU. declara que los tipos de equipos de radio PocketWizard MultiMAX® II CE (MMX2-CE), Plus® IV CE (P4-CE), Plus® III CE (P3-CE), Plus®X CE (PX-CE), MiniTT1® Canon CE (TT1-C-CE), FlexTT5® Canon CE (TT5-C-CE), FlexTT6™ CE (TT6-C-CE), MiniTT1® Nikon CE (TT1-N-CE) and FlexTT5® Nikon CE (TT5-N-CE) control remoto inalámbrico fotográfica está en conformidad con la Directiva 2014/53/UE. El texto completo de la declaración de conformidad de la UE está disponible en la siguiente dirección de internet: [www.pocketwizard.com/support/reference/CE](http://www.pocketwizard.com/support/reference/CE)

## Simplified EU-Konformitätserklärung

Hiermit erkläre LPA Design Inc. South Burlington VT USA, dass die Funkgerätetypen PocketWizard MultiMAX® II CE (MMX2-CE), Plus® IV CE (P4-CE), Plus® III CE (P3-CE), Plus®X CE (PX-CE), MiniTT1® Canon CE (TT1-C-CE), FlexTT5® Canon CE (TT5-C-CE), FlexTT6™ CE (TT6-C-CE), MiniTT1® Nikon CE (TT1-N-CE) and FlexTT5® Nikon CE (TT5-N-CE) drahtlose fotografische Fernbedienung ist in Übereinstimmung mit der Richtlinie 2014/53/UE. Der vollständige Wortlaut der EU-Konformitätserklärung ist unter folgender Internet-Adresse verfügbar: [www.pocketwizard.com/support/reference/CE](http://www.pocketwizard.com/support/reference/CE)

## Dichiarazione semplificata UE di Conformità

Con la presente, LPA Design Inc. South Burlington VT USA dichiara che il tipo di apparecchiature radio PocketWizard telecomando wireless fotografica MultiMAX® II CE (MMX2-CE), Plus® IV CE (P4-CE), Plus® III CE (P3-CE), Plus®X CE (PX-CE), MiniTT1® Canon CE (TT1-C-CE), FlexTT5® Canon CE (TT5-C-CE), FlexTT6™ CE (TT6-C-CE), MiniTT1® Nikon CE (TT1-N-CE) and FlexTT5® Nikon CE (TT5-N-CE) è conforme alla direttiva 2014/53/UE. Il testo integrale della dichiarazione di conformità UE è disponibile al seguente indirizzo internet: [www.pocketwizard.com/support/reference/CE](http://www.pocketwizard.com/support/reference/CE)



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