

Thank you for purchasing a PocketWizard MiniTT1/FlexTT5 system for Canon DSLR E-TTL cameras and flashes.

Quick Guide

MiniTT1™/FlexTT5™ for Canon

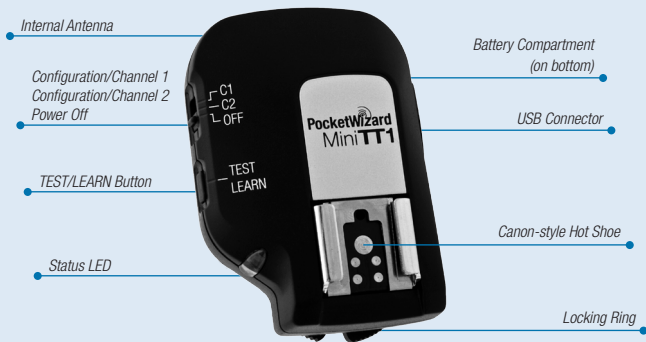
433.62 – 434.22 MHz, CE

This PocketWizard radio is compatible with all CE frequency PocketWizard radios. It is not frequency compatible with US FCC/Canada IC or JAPAN PocketWizard radios.

Please read this Quick Guide thoroughly before operating.
Visit www.PocketWizard.com/support to download the full Owner's Manual and PocketWizard Utility.


PocketWizard®
MAKE IT POSSIBLE™

MiniTT1™



READ ME FIRST:

CONFIGURATION:

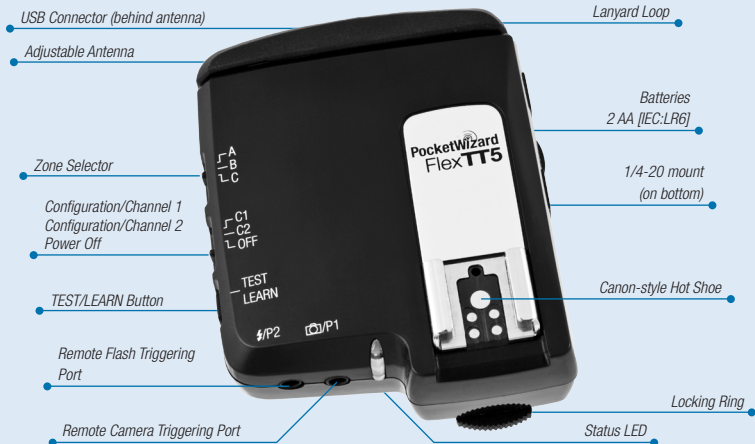
Your new PocketWizard runs on very sophisticated software we call ControlTL which can be configured to your specific needs using the PocketWizard Utility. You can download this utility at www.PocketWizard.com/support/downloads.

REGISTRATION:

ControlTL software is designed to be “Future Proof” and will be upgraded from time-to-time. Please register your product online to be notified when updates are available.

All equipment should be turned OFF when making connections. Unwanted triggering may occur.

FlexTT5™



First exposure after making initial connections/powering on may not be properly exposed. First shot is a camera calibration shot. Always test twice.

Review product manuals for your camera/flash system. For most basic functions when using Canon's system or PocketWizard's, operation is identical.

You may use a FlexTT5 as a transmitter instead of a MiniTT1 in all scenarios.

Make sure all PocketWizard radios are set to same PocketWizard channel. PocketWizard channel is used instead of Canon channel. See LEARN Mode section.

Basic Wireless E-TTL: MiniTT1 ➡➡ FlexTT5

No flash on Camera

1. Slide MiniTT1 Transmitter onto camera.
2. Slide remote Speedlite onto FlexTT5 Transceiver. Repeat for each remote Speedlite. All remote E-TTL flashes will be treated as one zone of light.
3. Make sure all your PocketWizard radios are on the same channel and trigger normally.

This mode is like using Canon ST-E2 (non-ratio mode) or 580EX (I or II, master mode, main flash off, non-ratio) in camera shoe.

Basic Wireless E-TTL: MiniTT1 ➡➡ FlexTT5

Flash on Camera

1. Slide MiniTT1 Transmitter onto camera.
2. Slide Canon 580EX Speedlite onto MiniTT1 radio. Set Speedlite for MASTER = ON.
3. Slide remote Speedlite onto FlexTT5 Transceiver. Repeat for each remote Speedlite. All remote E-TTL flashes will be treated as one zone of light.
4. Make sure all your PocketWizard radios are on the same channel and trigger normally.

IMPORTANT: Be sure to select your camera model on the Misc Tab in the PocketWizard Utility, especially if you are using the Canon 5D Mark II.

Ratio Wireless E-TTL: MiniTT1 ➡➡ FlexTT5

Flash on Camera

1. Slide MiniTT1 Transmitter onto camera.
2. Slide Canon 580EX Speedlite onto MiniTT1 radio. Set Speedlite for MASTER = ON. Enable slave groups/zones per flash instructions. Canon Speedlite Transmitter ST-E2 may also be used.
3. Set remote FlexTT5 radio to desired Canon ratio slave group/zone (A, B, C) using FlexTT5 zone switch.
4. Slide remote Speedlite onto FlexTT5 Transceiver. Set Speedlite for regular E-TTL mode (not SLAVE or MASTER). Repeat for each remote Speedlite. All remote E-TTL flashes on same FlexTT5 slave group/zone will be treated as one zone of light.
5. Adjust ratios using MASTER Speedlite flash controls.
6. Make sure all your PocketWizard radios are on the same channel and trigger normally.

Setting Canon E-TTL to normal flash (MASTER = OFF) when in shoe of MiniTT1 will disable all remote flash. This operation mirrors Canon functionality.

IMPORTANT: *Canon flashes set to SLAVE = ON and connected to FlexTT5 radios will have slave mode automatically turned off, but will still function as slaves correctly. Set desired Canon slave group/zone via remote FlexTT5 zone switch. PocketWizard channel is used instead of Canon channel.*

ISO, aperture, flash exposure compensation (FEC), and other settings will track exposure normally via the PocketWizard ControlTL system.

Manual Flash

“Wireless Manual” via E-TTL: MiniTT1 ➡➡ FlexTT5

Remote “Wireless Manual” flash using 580EX II

Canon’s “Setting the Flash Output for Each Slave” or “Wireless Manual” system allows setting a remote flash to a desired manual level from the MASTER flash. You must use a 580EX II on the MiniTT1 or FlexTT5 as transmitter. The original 580EX or earlier flashes cannot perform this function via ControlTL radios. “Wireless Manual” uses controls similar to ratio mode. Review your flash instructions for entering “Wireless Manual” mode. Follow the steps in the ratio section for setting up your ControlTL radios to work with this mode.

MiniTT1 ➡➡ Plus II, MultiMAX, Integrated, or FlexTT5 connected to manual flash

Remote flash with or without E-TTL flash on camera

1. Slide MiniTT1 Transmitter onto camera.
2. If desired, slide Canon E-TTL Speedlite (MASTER = ON) onto MiniTT1 radio.
3. Make sure all your PocketWizard radios are on the same channel and trigger normally.

Note: Manual remote flashes are not calculated as part of the E-TTL exposure. Be sure to set on-camera FEC if remote flash is illuminating same subject as your E-TTL flash.

ZeroSync™ occurs automatically. Trigger “as fast as a wire” with all PocketWizard radios.

Use PocketWizard Utility to engage HyperSync™ and explore faster than X-sync shutter speeds. Visit www.PocketWizard.com for more information.

LEARN Mode

Channels can be taught via PocketWizard Utility (recommended) or from any PocketWizard transmitter:

IMPORTANT: Hold radios at least 2 feet apart when teaching/learning.

1. Turn MiniTT1 or FlexTT5 radio ON and select channel to be taught: C.1 or C.2.
2. Press and hold TEST for several seconds until LED blinks **amber**, then release TEST.
3. Quickly press and hold TEST on teaching transmitting radio (MiniTT1, FlexTT5, Plus II or MultiMAX). When LED blinks **green**, channel is learned. Connected flash may trigger during LEARN.

1 **green** blink = Low Standard channel learned (1 through 16, including Plus 1 through 4)

2 **green** blinks = High Standard channel learned (MultiMAX 17 through 32)

3 **green** blinks = ControlTL channel learned

For remote E-TTL systems, teach MiniTT1 radio to be used as primary transmitter first, then use it to teach all FlexTT5 units.

MiniTT1 and FlexTT5 radios send out both ControlTL and Standard triggers every time they are triggered. For remote E-TTL to function, ControlTL channel must be learned. If you see only 1 or 2 **green** blinks, and you desire E-TTL, teach again with MiniTT1 or FlexTT5 radio. Look for 3 **green** blinks to verify ControlTL is learned.

To teach all radios Standard channels, use Standard transmitter as teaching radio for all learning radios, including MiniTT1 radio to be used as primary transmitter.

To avoid inadvertent flashing from remote radios that have already been taught or have already had channel set, turn them OFF.

Other Functions

Auto-Relay Mode

A FlexTT5 radio in camera's shoe and connected with motor drive cord to P1 can receive a radio trigger, trigger the camera's motor drive, which in turn triggers a remote flash. The channel used for relay transmit is 1 higher than taught channel, unless set via PocketWizard Utility.

Example: If you taught FlexTT5 radio Standard channel 3, then relay transmit occurs on Standard channel 4. Press TEST on hand-held trigger radio to begin relay sequence.

Status LED

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

Normal short blink color indicates Battery Level:

Green Good battery

Amber Warning – battery low

Red Very low battery – change immediately

Steady **red** LED in sync with TEST indicates normal transmission.
(Hold for 10 seconds to teach – see LEARN mode)

Short **red** blink in sync with trigger indicates normal reception.

Rapid **red** blinking when not triggering or half-pressing camera indicates error condition.
Power off the unit, reseal all connections, and power back on.

RESET

RESET A: To reset learned channels to channels last set in Utility, hold TEST on power up. LED blinks **green** twice to indicate reset. Release TEST. Advanced features set via Utility are retained.

RESET B: To reset all advanced features *and* channels to FACTORY DEFAULTS, hold TEST on power up for longer than 10 seconds. When LED blinks **green** 4 times, release.

B: Default Advanced Features

C.1 = ControlTL channel 1, Standard channel 1

C.2 = ControlTL channel 2, Standard channel 2

HyperSync Offset = -170 microseconds

High Speed Sync (FP Flash Sync) Disable Mode = not enabled

High Speed Sync (FP Flash Sync) Begins At = 1/400

Remote TTL Flash Sleep Mode = disabled

Basic Trigger Mode = disabled

Camera Model = Auto

Force TTL Master Mode = disabled

FlexTT5 Only:

Use ControlTL for Rx Channel = enabled

Flash Idle Time Out Mode = disabled

Transmitter Only Mode = disabled

Bottom Shoe Disable Mode = not enabled

Specifications

Trigger Delay = 0 seconds – “fast as a wire” when using compatible Canon cameras,
~900 microseconds in Basic Trigger Mode

Batteries: MiniTT1 = CR2450 or CR2354 (100s of hours)

FlexTT5 = 2 x AA (IEC:LR6) (60 hours)

Maximum FPS: Up to 12 (varies with camera, E-TTL usage reduces FPS)

E-TTL & E-TTL II (DSLR only, not for film TTL)

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)

This MiniTT1/FlexTT5 is **compatible** with the following **Canon** products:

DSLR Cameras:

1Ds MKIII, MKII; 1D MKIII, MKII; 1D MKII N; 5D, 5D MKII; 20D, 30D, 40D, 50D;
Rebel XT/350D, Rebel XTi/400D, Rebel XS/1000D, Rebel XSi/450D

Flash Units:

580EX, 580EXII, 430EX, 430EXII, 220EX, 420EX, 550EX on FlexTT5 as remote flash*

*requires firmware version 4.010 or higher. Other flashes will work in “simple trigger mode” without TTL.

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For more information on this product, including detailed features, specifications and the owner's manuals, go to www.PocketWizard.com.

US Patent: 5,359,375 and Patents Pending