

# PocketWizard® MultiMAX® II TRANSCIEVER

## Quick Guide

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

See manual or  
wiki.pocketwizard.com  
for more information



## Multiple Receivers

Unlimited remote flash units or cameras can be activated simultaneously. Set all PocketWizard radios to the same Channel. Confirmation does not function when using multiple Receivers set for the same zone.

## Confirmation

On any Channel, Status LED blinks upon sync and radio beeps.

On Standard Channels 17 – 32, automatic radio confirmation for selected zones appears as normal letter **A**. If not confirmed, reverse letter **A** appears.

Automatic radio confirmation is not performed on Standard Channels 1 – 16 or ControlTL Channels.

## Auto-Relay Mode

Activates remote camera shutter release, which in turn syncs with remote flash.

1. Set radio in hand to Standard Channel XX (1-32).
2. Set Auto-Relay MultiMAX II to RECEIVE on Channel XX, and TRANSMIT on Channel YY (different from XX). Set to RECEIVE and press **L** until **RLY YY** appears. Mount in camera hot shoe and connect remote camera cable from P2 (mono only) or ACC (stereo) to remote shutter release terminal.
3. Set receiving flash sync radio to Channel YY.
4. Press **TEST** on radio in hand to begin Auto-Relay sequence.

## Repeater Mode

Receives and re-transmits on set channel. Deploy RPT radio(s) to extend range. Ensure each RPT radio hears just one TRANSMIT radio and each RECEIVE radio hears just one RPT radio. Set to RECEIVE and press **L** until **RPT** appears. Fastest flash sync shutter speed in RPT is 1/125.

## BASIC OPERATION

All equipment should be turned OFF when making connections to prevent random flashes or shutter releases.

### Basic Connections

#### Camera Sync

Slide MultiMAX II into camera hot shoe and tighten locking ring

or

Use PC Sync Cable to connect P1 to camera's PC terminal

#### Remote Flash

Use included Flash Sync Cable or Adapter to connect P2 to flash unit's sync terminal.

#### Remote Camera

Use PocketWizard Remote Camera Cable to connect P1 to camera's remote terminal.

### Power On/Off

#### Transmitter

Set power switch to TRANSMIT. TRANSMIT MODE and TX will be displayed.

#### Receiver

Set power switch to RECEIVE. RECEIVE MODE and -RX- will be displayed.

### Test Button

Press **TEST** and release. Visually confirm remote flash sync or remote camera shutter release.

### Backlight

Press **\*** to turn on backlight or exit from menus (settings not saved). Backlight turns off automatically.

### Keypad Lock

Press and hold **\*** for 3 seconds. All keys are locked and **KEYPAD LOCKED** is displayed. Only **TEST** and **\*** are active. Hold **\*** again for 3 seconds to deactivate keypad lock. Not available in ControlTL Mode.

## MENUS

### Changing Settings / Using Menus

Press **\*/MENU** to enter main menu.

Use **▲▼** to highlight selection and press **\*/MENU** to select

or

Press **A, B, C, D,** or **L** to select directly

### Adjusting Numbers

Use **A, B, C, D,** or **L** and **▲▼** for numeric entry. Press **\*/MENU** to accept settings (long beep confirms settings). Press **\*** (Backlight) to exit without accepting settings. Accepted settings are saved during power off. Most numeric entry screens are usable for live testing and are dynamic – changes made are available immediately without pressing **\*/MENU**, and using TEST or camera sync will use displayed settings. Use for fast fine adjustments.

### BASIC MENU **\*/MENU B**

#### Contact Time

##### **\*/MENU B A**

Length of time PORTs remain contacted upon sync. Use for camera bulb mode, controlled continuous drive burst, flash recycle lockout, or other effects. Only for LOCAL or receive units. Contact time is not transmitted.

#### Beeper Setting

##### **\*/MENU B B**

Adjusts MultiMAX II beep settings. Use **A, B, C** or **D** to set.

- A:** All
- B:** Beep on Sync
- C:** Beep on Error/Zero Count
- D:** Disable

#### Contrast Setting

##### **\*/MENU B C**

Use **▲▼** to adjust display contrast. Press **\*/MENU** to save setting.

#### Reset

##### **\*/MENU B D**

Resets radio to factory defaults. Advanced functions are cleared and unit is set for Channel 17. Unit can also be reset by holding **C** while turning MultiMAX II on.

## 32 Standard Channels 1 - 32

Channel appears in LCD, upper right (Default = CH:17).

Set channel using **▲▼**.

Match TRANSMIT and RECEIVE Channels and Zone(s).

**TRANSMIT** = Press **L** to toggle L (LOCAL P2) on/off.

**RECEIVE** = Press **L** to select Relay (RLY), Repeater (RPT), or off (default).

### Standard Channels 1 – 16 (no zones)

Compatible with any PocketWizard radio set to Standard Channels 1-16

**TRANSMIT** = Press **A** to toggle R (remote) on/off.

LOCAL and REMOTE may not be toggled off simultaneously.

### Standard Channels 17-32 = Quad-Zone Triggering

Use **A, B, C, D** to toggle Zones on/off.

Multi-Zone Receive = Select multiple RECEIVE zones. Syncs on \*any\* selected Zone.

### ControlTL® Channels 1 - 20 (TRANSMIT only)

Requires ControlTL receiving radio like FlexTT5/6, PowerMC2, etc.

Press **\*/MENU C** and select ControlTL Channel using **▲▼** (Default = CL:01)

Match receiving radio Channel and Zone(s). Press **\*/MENU** to set.

### Manual Power Control

Use **A, B, C** to toggle or select Zone. Use **D** to select all active Zones.

Use **▲▼** to adjust remote flash power levels.

Use **L** to set all modeling light levels/tracking (TRK)/OFF.

Fastest flash sync shutter speed in ControlTL Mode is 1/125.

Press **\*/MENU** to exit ControlTL Mode.

#### MANUAL POWER LEVELS

+3 = 1/1 (full)	-2 = 1/32
+2 = 1/2	-3 = 1/64
+1 = 1/4	-4 = 1/128
0 = 1/8	-5 = 1/256
-1 = 1/16	-6 = 1/512

### Counter Setting

#### **\*/MENU B L**

Use **A, B, C, D,** or **L** to select. **\*/MENU B L C** (Count DOWN + RESET) will prompt for number of activations before warning beep. Use for end-of-roll, approximate card full, or other reminders.

### MODE

### Go Advanced/Go Normal

#### **\*/MENU D**

Toggles between advanced mode and normal radio mode. Use for quick return to basic operation from advanced modes, and vice versa.

## TIME CONVERSION CHARTS

### Fractions to Decimal

(Fig. 1)

FRACTION	DECIMAL	FRACTION	DECIMAL
1/90	0.0111 seconds	1/500	0.002 seconds
1/125	0.008 seconds	1/1000	0.001 seconds
1/180	0.0056 seconds	1/2000	0.0005 seconds
1/200	0.005 seconds	1/4000	0.0003 seconds
1/250	0.004 seconds	1/8000	0.0001 seconds

### Rear Curtain Sync Shutter Speed

(Fig. 2)

SHUTTER SPEED	DECIMAL	ACTUAL DELAY USED
1/1	1 second	0.98 seconds
1/2	0.5 seconds	0.49 seconds
1/4	0.25 seconds	0.24 seconds
1/8	0.125 seconds	0.119 seconds
1/15	0.0667 seconds	0.062 seconds
1/30	0.0333 seconds	0.029 seconds
1/60	0.0167 seconds	0.014 seconds

## MORE MODES

### Long Range

#### \* / MENU L A A

Doubles usable distance for Standard Channels 17 – 32 only. **LR** or **–LR** will be displayed. All radios must be set to LT/LR to work together. Best for remote camera. Fastest flash sync shutter speed in LT/LR is 1/125. Radio confirmation not available.

### Normal Range

#### \* / MENU L A B

Returns radios to normal range operation with all features available.

### Close Range

#### \* / MENU L A C

Reduces transmit power for working within a few feet of receiving radios. **CR** will be displayed. Affects all Standard Channels 1-32 and ControlTL Channels 1-20. Receivers must be in Normal Range Mode.

### Disconnect Hot Shoe

#### \* / MENU L B

Disables and enables hot shoe input. Use when mounted on a camera to prevent inadvertent sync.

### Hibernate/Auto Sleep

#### \* / MENU L C A

Set a timer for entering battery saving mode. Awaken by pressing **TEST** for 3 seconds in RECEIVE mode, send a signal from a TRANSMIT radio for 3 seconds. Use when deploying radio a few days prior to event.

### Hibernate/Auto Shutdown

#### \* / MENU L C B

When enabled, radio will power off after 40 hours to preserve batteries and prevent potential battery leak damage. Default = Disabled

### Noise Sniffer

#### \* / MENU L D

Find sources of radio interference. Lower numbers are better. Press **\* / MENU** to exit.

### Signal Strength Indicator

Automatic. RECEIVE only. Note signal bars in top line of LCD after each sync. More bars = better signal. Re-orient radio(s) to improve signal.

## ADVANCED MENU

### Infinite Intervalometer

#### \* / MENU A B

Activates camera shutter release at set interval for set number of activations. Use for time-lapse photography applications or other effects. Set interval (amount of time between activations) in Hours:Minutes:Seconds, then set count - set to 0 for infinite count. Connect remote camera cable to **⚡/P2** or ACC. Press **TEST** to start cycle, hold **\* / MENU** to cancel. Intervalometer is not transmitted in TRANSMIT mode – only directly attached cameras are activated.

### Multi-Pop

#### \* / MENU A C

Activates connected flash at set interval for set number of activations. Use for increasing depth of field with multiple flashes at safe intervals for recycling, or other time-lapse effects. Set interval (amount of time between activations) in Seconds, then set count - set to 0 for infinite count. Connect flash sync cable to **⚡/P2**. Press **TEST** to start cycle, hold **\* / MENU** to cancel. Multi-Pop is not transmitted in TRANSMIT mode – only directly attached flash units are activated. For remote flash Multi-Pop, set Multi-Pop on each individual flash unit's MultiMAX II (set for RECEIVE).

## ADVANCED MENU

### TRANSMIT DELAY MENU

#### TRANSMIT Delay - Remotes + **⚡/P2**

##### \* / MENU A A A (see Fig. 1)

Delays sync to all remote units and local **⚡/P2**. On main screen, small D below **⚡** indicates local **⚡/P2** will be delayed. Use for controlling sync timing in long exposures, rear curtain sync fine-tuning, and other effects.

#### TRANSMIT Delay - Remotes Only

##### \* / MENU A A B (see Fig. 1)

Delays sync to remote units only. Local **⚡/P2** syncs immediately. Use for delaying remote flash to not affect local flash metering or other effects.

#### TRANSMIT Delay - Rear Curtain Sync

##### \* / MENU A A C (see Fig. 2)

Provides rear curtain sync effect to cameras without this feature, or to cameras with feature but not compatible with rear curtain + radio (problem = no flash sync or shutter clipping appears when using radio). Use **▲▼** to match MultiMAX II shutter speed setting with camera shutter speed. Use **\* / MENU A A A** for fine adjustments or for shutter speeds other than provided.

#### TRANSMIT - SpeedCycler

##### \* / MENU A D

Helps reduce flash recycle time by cycling through multiple remote flashes.

On Standard Channels 17 - 32, selected Zones are used.

On Standard Channels 1 - 16, follow prompts to select start and end channel for up to 16 flashes.

Arrow indicates next channel/zone to sync.

## 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. 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.

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.

MultiMAX FCC ID: KDS-PW2-201

MultiMAX IC ID: 2170A0PW201

### Simplified EU Declaration of Conformity

Hereby, LPA Design Inc. South Burlington VT USA declares that the radio equipment type PocketWizard MultiMAX II CE wireless photographic remote control is 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/)



## ADVANCED MENU

### RECEIVE DELAY MENU

#### RECEIVE Delay - **Ⓜ/P1** + **⚡/P2**

##### \* / MENU A A A (see Fig. 1)

Delays sync to **Ⓜ/P1**, **⚡/P2** and ACC ports. On main screen, small D below **–RX–** indicates **⚡/P2** will be delayed. Use for controlling flash sync timing in long exposures and other effects. Set different delays on multiple receiving MultiMAX II radios for customized and repeatable flash sequences.

#### RECEIVE Delay - **⚡/P2** Only

##### \* / MENU A A B (see Fig. 1)

Delays sync to **⚡/P2** only. **Ⓜ/P1** and ACC sync immediately. Use for double exposure or other special effects.

#### RECEIVE Delay - Equalize

##### \* / MENU A A C

Helps synchronize multiple cameras (1/125 shutter speed) to single flash and enables lag time measurement of camera. Connect camera PC sync cable to **Ⓜ/P1** or slide MultiMAX II (set for RECEIVE) onto camera shoe. Connect remote camera cable to **⚡/P2** or ACC. Press **TEST** several times to measure camera lag. When number displayed seems consistent, press **\* / MENU** to accept. Perform same operation on other cameras. Connect separate MultiMAX II (set for RECEIVE) to flash and on that unit press **\* / MENU A A C \* / MENU** (accept displayed 0.1500 setting). Initiate sequence with separate transmitting PocketWizard radio.

#### RECEIVE - Fast Mode

##### \* / MENU A D

Enables faster flash sync shutter speeds with compatible flash units and cameras, up to 1/1000 second. Main screen displays FAST MODE. Quad-Zone Triggering and Confirmation are not available in Fast Mode.

Information subject to change. Visit [wiki.PocketWizard.com](http://wiki.PocketWizard.com) for more details and the latest information.

**Help:** [wiki.PocketWizard.com](http://wiki.PocketWizard.com)  
[PocketWizard.com/support](http://PocketWizard.com/support)  
[info@pocketwizard.com](mailto:info@pocketwizard.com)

### Warranty / Registration

This PocketWizard® product is covered by a two-year limited manufacturer's warranty. For details, or to register your radio, use the links below or contact your distributor via [PocketWizard.com](http://PocketWizard.com).

#### PocketWizard / LPA Design

Attn: Warranty  
21 Gregory Drive  
Suite 140  
South Burlington, VT 05403, USA  
[warranty@lpadesign.com](mailto:warranty@lpadesign.com)

**Registration:** [PocketWizard.com/warranty](http://PocketWizard.com/warranty)

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

**▲ IMPORTANT:** FCC/IC frequency radios are NOT compatible with CE frequency radios and vice versa.  
[PocketWizard.com/wheretobuy/frequency](http://PocketWizard.com/wheretobuy/frequency).

© 2017 LPA Design. All rights reserved. Product features and specifications are subject to change without notice. PocketWizard, ControlTL, MiniTT1, FlexTT5, HyperSync, Plus and MultiMAX are either trademarks or registered trademarks of LPA Design. All other trademarks contained herein are the property of their respective owners.

**PocketWizard®**  
MAKE IT POSSIBLE™