

# LumoPro®

## LP180

Quad-Sync Manual Flash



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**INSTRUCTION DOCUMENT FOR OWNERS:**  
Life lessons, short stories, and other tales for photographers  
who own the wonderful and magical LP180 Quad-Sync Flash.

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# LP180 Overview:



# Specifications

**Power Source:** Four 1.5V AA size batteries (Alkaline or rechargeable NiMH).  
 NOTE: Do not use Nickel Zinc "NiZn" batteries as they can cause damage to the LP180.

**Sync:** 3.5mm (1/8") Miniphone port, PC port, standard ISO hot shoe, built-in optical slave

**Recycling Time:**

**Bounce Angle:** -7°, 0°, 45°, 60°, 75°, 90°

**Swivel Angle:** 360° Total  
 Right: 0°, 60°, 75°, 90°, 120°, 150°, 180°  
 Left: 0°, 60°, 75°, 90°, 120°, 150°, 180°

**Flash Duration:**

**Built-in Slave Function:** S0 (off), S1 (standard optical slave), and S2-1 through S2-10 (preflash synchronization optical slave)

**Sleep Mode/Auto Power-off:** Sleep mode engages after 20 minutes (if enabled). Auto power-off engages 3 hours after sleep mode.

**Flash Ready Indicator:** Front and rear ready LED light, optional flash ready tone

**Hot shoe:** Standard ISO size, center pin contact, mounting foot lock foot with drop down locking pin

**Accessories:** Soft case, flash stand, 3.5mm miniphone to 3.5mm (1/8") miniphone sync cord

**Flash Body Dimensions:** 8.125" (L) x 2.5" (W) x 2" (D)

**Flash Head Dimensions:** 2.875" (W) x 1.75" (H)

**Weight (without batteries):** 15oz (0.9lbs) (425 grams) (0.0004 metric tons)

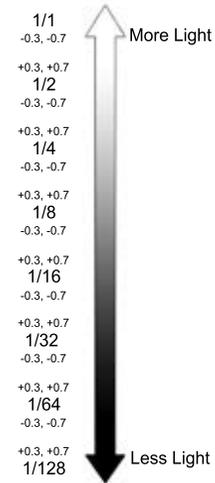
# Exposure Specifications

**-Motorized Zoom Adjustments:**

14mm (with wide-angle diffuser), 24mm, 28mm, 35mm, 50mm, 70mm, 80mm, 105mm

**-Manual Power Adjustments:**

The LP180 can be adjusted in 1/3 stop increments, from full power to 1/128th power, allowing for maximum control over light output.



Every company measures guide number differently. At LumoPro, this is how we measure guide number:  $GN = \text{Distance} \times f/\text{stop}$ .

$$\begin{aligned} \text{Distance} &= 10\text{ft} \\ f/\text{stop at } 105\text{mm, ISO } 100, \text{ Full Power} &= f/11 \\ 10\text{ft} \times f/11 &= 110 \\ GN &= 110 \end{aligned}$$

The LP180's power is equivalent to the flagship flash units of other brands.

Exposure Table (1/1 Power, ISO 100 at 10ft)

Flash Zoom Setting	14mm	24mm	28mm	35mm	50mm	70mm	80mm	105mm
Exposure (Aperture)	f/4.0 and 7/10	f/5.6 and 6/10	f/5.6 and 7/10	f/8.0 and 1/10	f/8.0 and 4/10	f/8.0 and 6/10	f/8.0 and 7/10	f/8.0 and 8/10

## Basic Operations:

For a visual overview of the functions and use of the LP180 visit [www.lumopro.com/videos](http://www.lumopro.com/videos)

**Mounting the flash to the camera:** First, disengage the lock by sliding the mounting foot lock on the LP180 (see "A" on page 2). Slide the LP180 into the camera's hot shoe; then use the mounting foot lock to secure the flash on the camera. Always remember to keep the flash off when mounting to your camera. Sony/Minolta users will need an ISO standard adapter.

**Mounting the flash for off-camera use:** There are two ways to mount the LP180 off camera. The first, and most popular method, is to use the standard mounting foot on the flash (see "A" on page 2). Slide the mounting foot into your shoe mount accessory (such as an umbrella swivel with shoe adapter) and then use the mounting foot lock to secure the flash. The second method is to use the built-in 1/4-20 mounting thread above the battery door on the LP180 (see "C" on page 3). You can use this thread to mount the flash directly on a light stand or on standard umbrella swivels with 1/4-20 male thread mounts. Use optional accessory LP605-3 1/4-20 to 3/8 adapter to mount directly to LumoPro® Stands.



**Turning the Flash On/Off:** Hold the on/off button (see "A" on page 2) down on the LP180 for 2 seconds until the LumoPro® logo appears on the LCD display. To power off, hold the on/off button for 1 second.

**Sync Ports:** A 3.5mm miniphone port and PC socket can be found on the side of the LP180 (see "B" on page 3). With the supplied 3.5mm miniphone to miniphone cord, you can connect the flash to an external triggering device through the 3.5mm miniphone port. The external device can then trigger the LP180 off camera. You can connect the flash to other triggering devices by attaching an appropriate sync cord or plug to either the 3.5mm miniphone port or the PC socket.

**USB Connection:** A USB mini connection can be found under the sync port/USB cover on the side of the LP180 (see "B" on page 3). This connection is for firmware upgrades.

**Wide Angle Diffuser:** A built-in wide angle diffuser can be found on top of the flash head (see "B" on page 3). Pull out the diffuser until it folds over the front of the flash's lens.



**Bounce Card:** A built-in bounce card can be found on top of the flash head (see "B" on page 3). Pull out the card while angling flash head up to add extra fill light into the image. Do not attempt to use the bounce card as a mini trampoline.

### Inserting Batteries:

1. Slide battery compartment door to open.
2. Insert 4 AA batteries following the (+) and (-) signs as indicated inside the battery door, push down and slide the door closed.



#### IMPORTANT:

- Ensure that the batteries are inserted in correct position
- For best results, use fresh alkaline or NIMH rechargeable AA's
- DO NOT mix fresh and weak batteries
- To prevent battery leakage, remove batteries if not in use for an extended period of time

**High Voltage Port:** A high voltage battery port can be found under the sync port/USB cover on the side of the LP180 (see "B" on page 3). This port is used for plugging in high voltage batteries such as the Quantum Turbo box system, or Canon battery extension packs like the CP-E4. These high voltage batteries allow the flash to recycle at faster speeds.



#### WARNING!

**Using a high voltage battery does increase the LP180's recycling time. However, using the flash at a high power setting can overheat the unit. If the flash begins to overheat, thermal cut-off will be enabled, and the LP180 will need to time cool down. If you see the above symbol on the LCD screen, allow the LP180 to cool down before continuing use.**

## Navigating the Menus:

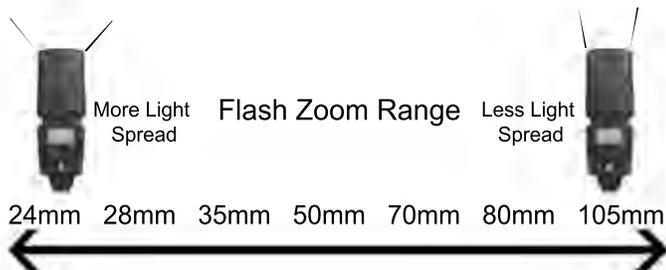


**Adjusting Flash Power:** Use the +/- adjustment buttons (see "A" on page 2) on the LP180 to change flash output. Once you have chosen flash output, finalize your selection by pressing the set selection button, or the selection will finalize automatically after 2 seconds.

To learn how to "overclock" your LP180, visit [www.strobist.com//2008/04/overclock-your-speedlight-for-more.html](http://www.strobist.com//2008/04/overclock-your-speedlight-for-more.html)  
Smartphone users can scan:



**Adjusting Flash Zoom:** Use the left/right selection buttons (see "A" on page 2) on the LP180 to change flash zoom. Once you have chosen flash output, finalize your selection by pressing the set selection button, or the selection will finalize automatically after 2 seconds.



**Using the LP180 as an off-camera slave unit:** Set the slave mode to S1 or S2-1 through S2-10 by holding down the optical slave function button (see "A" on page 2). Select the desired slave function by using the +/- adjustment buttons. Press the set selection button to finalize your choice, or the selection will finalize automatically after 2 seconds.

**S1:** In this optical slave setting, the LP180 will fire instantly when it detects another flash. Use this setting when working manually in non-TTL setups.

**S2-1 through S2-10:** Use this setting when working with pop-up flashes on DSLR's or on-camera flash units in TTL. In this optical slave setting, the LP180 will fire after ignoring a set number of pre-flashes, which is indicated by the number after hyphen (S2-N). **Note:** Canon pop-up flashes or on-camera flash units will trigger in S2-1, Nikon pop-up flashes or on-camera flash units will trigger in S2-2. When using the LP180 in conjunction with CLS or Master/Commander modes, you will need to experiment with the number of pre-flashes to ignore. Depending on camera make and model, this may vary from shot to shot.

For more information on camera and flash synchronization, visit [www.lumopro.com/LP180](http://www.lumopro.com/LP180)

**Using the LP180 as the main on-camera unit:** Mount the LP180 onto your camera's hot shoe. Set the slave mode to S0-OFF. When the flash ready LED indicator is on, the flash is ready to fire. The flash can be fired from your camera's hot shoe or a PC sync cable if your camera features a PC sync socket.

**Sleep Mode/Auto Power-off:** When sleep mode is enabled, the LP180 will go to sleep after 20 minutes of idle use. The flash ready LED indicator (see "A" on page 2) will turn blue once the flash enters sleep mode. To wake up the flash, press the test flash button. If the LP180 is left in sleep mode for 3 hours, the flash will completely power off.

**Changing Sleep Mode/Flash Ready Tone/LCD Backlight:** To disable or enable any of these features, hold down the set selection button (see "A" on page 2) until sleep mode is highlighted. Use the left/right selection buttons to move the highlighted area to the mode you wish to change. Enable/disable by using the +/- adjustment buttons. Hold down the set selection button to finalize your setting, or the selection will finalize automatically after 2 seconds.

## Warranty

We pride ourselves on having the one of the best service warranties in the industry. If you ever need assistance or have questions about any of our products, please do not hesitate to contact us directly. Either by email at support@lumopro.com, by phone at 1-855-LUMOPRO (586-6776), or by carrier pigeon.

-LumoPro® Support Team

-Valid for the original owner, a 2-year international warranty guarantees against defective materials and workmanship. Damage due to user error, impact, water damage, fire damage, disassembly, modification, loss, theft or damaging the flash inside a time vortex is not covered under warranty.

-LumoPro® has the right to void the 2-year international warranty, if damage is suspected or found that may have voided the warranty.

-Warranty will be void if the flash is exposed to water or shows signs of impact or tampering. If you are unsure if your flash is still covered under warranty, please contact the authorized dealer from which you purchased the flash.

-The 2-year international warranty is only valid when the flash is purchased through authorized LumoPro® dealers. For a full list of authorized dealers visit, [www.lumopro.com/wheretobuy](http://www.lumopro.com/wheretobuy).

-All warranty claims will be handled through the authorized LumoPro® dealer where the flash was purchased. For a complete list of these authorized dealers, please visit [www.lumopro.com](http://www.lumopro.com). Please contact your authorized dealer before sending in your flash unit for warranty claims.

We had extra room at the bottom of this page, so we're leaving you with a haiku about the LP180...

Oh LumoPro® Flash.  
Photons explode from your head  
and light up my life.

## CAUTION:

-Do not leave or store the flash unit in temperatures exceeding 100°F.

-Remove the batteries if you do not intend to use the LP180 for an extended period of time.

-The LP180 is not water-resistant. Exposure to water and very humid conditions may cause irreparable damage to the flash. Do not attempt to use the LP180 for underwater photography, unless your name is Hilgard Muller.

-The LP180 contains intricate electronic components. It should be protected against shock, impact damage, or any other improper handling.

-The LP180 contains a high voltage flash capacitor. Do not try to open the housing or attempt to repair or modify the LP180, as any exposure to high voltage can be very dangerous, or deadly. Opening the flash unit will void the warranty.

-Do not use the LP180 near flammable vapors or liquids. These substances may cause damage to the flash, property, or the user and in combination with flash triggering, pose a fire hazard.

-Do not fire the LP180 directly into the eyes of people or animals from short distances.

-Do not attempt to use the LP180 for anything other than its intended use. Using the flash components to build time machines or wormholes is not advised or covered under warranty.

-It is not recommended that you use the LP180 as a tanning device. Though it is really, really bright, you'll go through many AAs to get ready for your days at the beach.

