

LumoPro®

LP180R Off-Camera Flash



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KEY TO THE MYSTERIES OF THE LP180R:
Everything you need to know to have a happy and healthy
relationship with your LP180R Off-Camera Flash.

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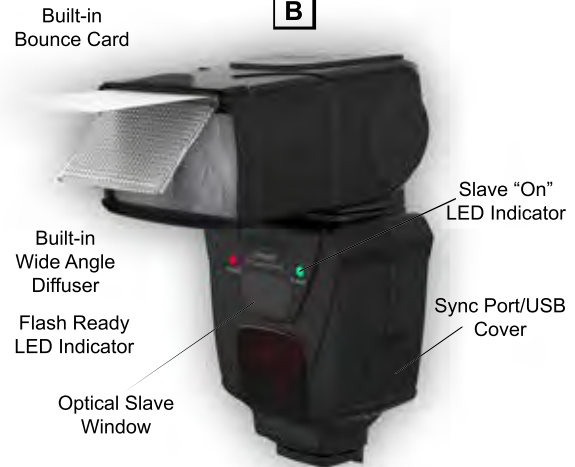
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LP180R Overview

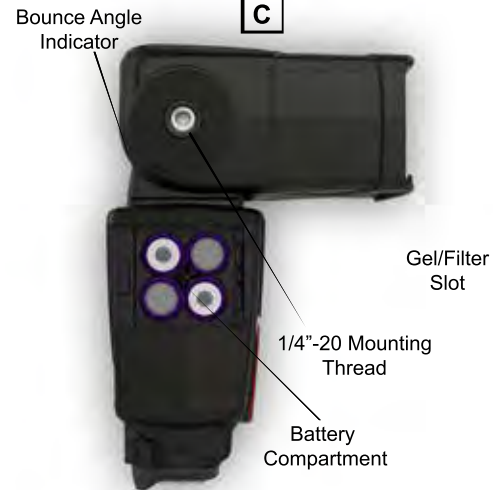
A



B



C



Specifications

Power Source: Four 1.5V AA size batteries (Alkaline or rechargeable NiMH).

NOTE: Do not use Nickel Zinc "NiZn" batteries as these may cause damage to the LP180R.

Sync: 3.5mm (1/8") Miniphone port, PC port, standard ISO hot shoe, built-in optical slave, built-in Phottix® Odin™ radio receiver

Recycling Time: 4 seconds at full power with fresh NiMH batteries
1 second at full power with high voltage battery input

Head Tilt Angle: -7°, 0°, 45°, 60°, 75°, 90°

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

Built-In Slave Function: S0 (off), S1 (standard optical slave), and S2-1 through S2-10 (pre-flash synchronization optical slave)

Wireless Modes: Odin™ Rx for Canon (Rx-C), Nikon (Rx-N) and Sony (Rx-S) Strato™ II Multi Rx (STRATO II) and Wireless Off (Rx-OFF)

Flash Modes: TTL, Manual and Multi (stroboscopic)

Channels: 4 (1, 2, 3 and 4); 32 total channels when using the Odin™ II transmitter

Digital ID: 0000-9999 when using the Odin™ II transmitter

Groups: 3 (A, B and C); 5 (A-E) when using the Odin™ II transmitter

Multi Mode (Stroboscopic) Settings: Frequency: 1-199Hz
Number of flashes: 1-100

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

Built-In Bounce Card: On top of flash head to add extra fill light

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

Slave "On" Indicator: Front LED slave mode indicator light

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

Optional Power Input: High voltage battery, compatible with Canon®-style cord

USB Connection: USB Mini connection for firmware upgrades

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): 15.5oz (0.97lbs) (440 grams)
(1.88x10²¹ molecules) (0.07 spider monkeys)

Included Accessories: Soft case, flash stand, 3.5mm (1/8") miniphone to miniphone sync cord, color effects & correction gels

Zoom Adjustments: Auto (Rx-C, Rx-N or Rx-S mode only)
14mm (wide-angle diffuser), 24mm, 28mm, 35mm, 50mm, 70mm, 80mm, 105mm

Manual Power Adjustments: The LP180R can be adjusted in 1/3-stop increments, from full power to 1/128th power, allowing for maximum control over light output.

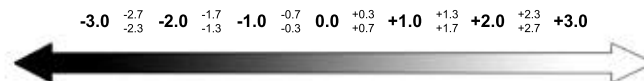
1/128^{+0.3 -0.7}_{-0.7 -0.3} 1/64^{+0.3 -0.7}_{+0.7 -0.3} 1/32^{+0.3 -0.7}_{+0.7 -0.3} 1/16^{+0.3 -0.7}_{+0.7 -0.3} 1/8^{+0.3 -0.7}_{+0.7 -0.3} 1/4^{+0.3 -0.7}_{+0.7 -0.3} 1/2^{+0.3 -0.7}_{+0.7 -0.3} 1/1



Less Light

More Light

TTL Power Adjustments: When used in TTL mode, the LP180R can adjust flash exposure compensation in 1/3-stop increments, from -3.0EV to +3.0EV, allowing for fine control over TTL light output.



Less Light

More Light

Guide Number:

Every company measures guide number differently. At LumoPro®, we measure guide number as: GN= Distance * f/stop.

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

The LP180R's power is equivalent to the flagship flash units of other brands.

Exposure Table (Full Power, ISO 100 at 10ft)

Flash Zoom Setting	14mm	24mm	28mm	35mm	50mm	70mm	80mm	105mm
Exposure (Aperture)	f/5.6 and 2/10	f/5.6 and 9/10	f/8.0	f/8.0 and 2/10	f/8.0 and 5/10	f/8.0 and 7/10	f/8.0 and 9/10	f/11.0 and 2/10

Answers To: Flash Master of the Universe, Melody, Illuminator-in-Chief, Dragon, Big LP, *Illuminus Maximus* and Defeater of Darkness. (Does not respond to Shirley.)

Basic Operations

Mounting the flash to the camera: First, disengage the lock by sliding the mounting foot lock on the LP180R (see "A" on page 2) to the left. Slide the LP180R 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 powered 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 LP180R 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 LP180R's built-in 1/4"-20 mounting thread located above the battery door (see "C" on page 3). You can use this thread to mount the flash directly on a light stand or on a standard umbrella swivel with a male 1/4"-20 thread mount. Use optional accessory LP605-3 1/4"-20 to 3/8" Adapter to mount directly to a light stand.



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

Sync Ports: A 3.5mm (1/8") miniphone port and PC socket can be found under the sync port/USB cover on the side of the LP180R (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 miniphone port. The external device will then trigger the LP180R off camera. You can connect the flash to other triggering devices by attaching an appropriate sync cord to either the 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 LP180R (see "B" on page 3). This connection is for firmware upgrades. To check for firmware updates, visit lumopro.com/downloads.

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. To replace the diffuser, push it all the way back into the flash head, until you hear a click.



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.

Inserting Batteries:

1. Slide battery compartment door open.
2. Insert four AA batteries following the (+) and (-) signs as indicated inside the battery door.
3. Push the door down and slide to close.

IMPORTANT:

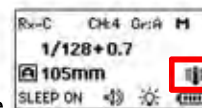
- Ensure that the batteries are inserted in correct position
- For best results, use fresh alkaline or NIMH rechargeable AA's
- DO NOT mix fresh and weak batteries
- To prevent battery leakage, remove batteries if not in use for an extended period of time



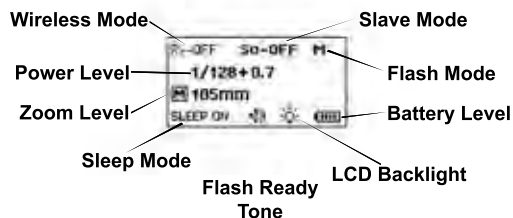
High Voltage Port: A high voltage battery port can be found under the sync port/USB cover on the side of the LP180R (see "B" on page 3). This port is used for plugging in external battery packs. The high voltage battery port on the LP180R is considered a "Canon®-style" port and accepts any battery that uses a Canon®-style cord, such as the Canon® CP-E4 Compact Battery Pack, Nissin® Power Pack PS 8 or the Quantum® Turbo system. These high voltage batteries allow the flash to recycle at faster speeds.

WARNING!

The LP180R includes a built-in thermal cut-off to prevent overheating when using a high voltage battery. If the flash begins to overheat, thermal cut-off will be enabled, and the LP180R's recycling time will increase. If you see the outlined symbol on the LCD display, allow the LP180R to cool down before continuing use.

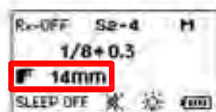
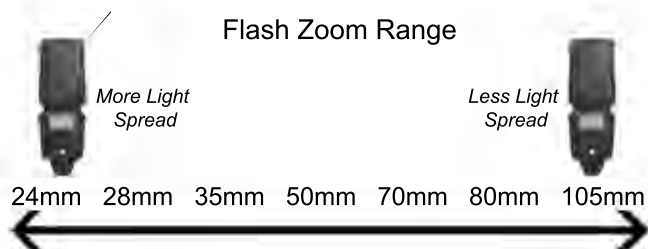


Navigating the Menus



Adjusting Flash Power: Use the +/- adjustment buttons (see “A” on page 2) on the LP180R to change flash output. Once you have chosen a power level, finalize your selection by pressing the set selection button, or the selection will finalize automatically after two seconds.

Adjusting Flash Zoom: Use the left/right selection buttons (see “A” on page 2) on the LP180R to change flash zoom. Once you have chosen a zoom setting, finalize your selection by pressing the set selection button, or the selection will finalize automatically after two seconds.



IMPORTANT NOTE: When using the built-in wide angle diffuser, the LP180R’s zoom setting will default to 14mm and a diffuser symbol will appear on the LCD display. The zoom setting cannot be changed until the built-in wide angle diffuser is replaced. When replacing the diffuser, you should hear a click, and the diffuser symbol will disappear from the LCD display.

Using the LP180R as the main on-camera unit: Mount the LP180R onto your camera’s hot shoe. **Press and hold** the mode function button (see “A” on page 2) to highlight the wireless mode and use the +/- adjustment buttons to select Rx-OFF. Finalize your selection by pressing the set selection button, or your choice will be finalized automatically after two seconds. Once in Rx-OFF mode, press the mode function button to highlight the slave mode settings and set the slave mode to S0-OFF. Press the set selection button to finalize your choice, or the selection will finalize automatically after two seconds. 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 by using a sync cable if your camera features a PC sync socket.

Using the LP180R as an off-camera slave unit: **Press and hold** the mode function button (see “A” on page 2) to highlight the wireless mode and select Rx-OFF. Finalize your selection by pressing the set selection button, or your choice will be finalized automatically after two seconds. Once the LP180R is in Rx-OFF mode, press the mode function button to access the slave mode settings and select slave mode S1 or S2-1 through S2-10 by using the +/- adjustment buttons. Press the set selection button to finalize your choice, or the selection will finalize automatically after two seconds.

If you are using the LP180R as an off-camera slave unit with an Odin™ or Strato™ transmitter or a Mitros™+ flash, you may also leave the LP180R in the appropriate wireless receiving mode (Rx-C, Rx-N, Rx-S or STRATO II) to allow the Odin™ or Strato™ transmitter or a Mitros™+ flash to trigger the LP180R, rather than the optical slave.

Wireless Modes

Using the LP180R's wireless modes: The LP180R features five wireless modes - four receiving modes and one slave mode setting. Wireless modes are indicated by the icon in the top left corner of the LP180R's LCD display. To change the LP180R's wireless mode setting, **press and hold** the mode function button to highlight the wireless mode. Use the +/- adjustment buttons to select the desired wireless mode and press the set selection button to finalize your choice.

Wireless Mode Capabilities

	Rx-C	Rx-N	Rx-S	STRATO II	Rx-OFF
Built-In Radio Receiving	✓	✓	✓	✓	
Remote Power & Zoom Adjustment	✓	✓	✓		
Manual Mode	✓	✓	✓	✓	✓
TTL Mode	✓	✓	✓		
Multi Mode	✓	✓	✓		
Channels & Groups	✓	✓	✓	✓	
HSS & SCS Compatible	✓*	✓	✓		
Multiple Slave Modes					✓

* Second curtain sync (SCS) capabilities are available with the Odin™ 1 and 1.5 systems for Canon, but are not available with the Odin™ II for Canon. Consult your transmitter's manual to confirm your model's capabilities.

Using the LP180R's wireless receiving modes: When using a Phottix® Odin™ Flash Transmitter, Phottix® Strato™ II Multi Flash Transmitter or a Phottix® Mitros™+ TTL Transceiver Flash in Odin™ Tx Mode, the LP180R may be wirelessly triggered off-camera via the built-in Odin™ receiver. The LP180R will automatically be triggered by Odin™ or Strato™ II Multi transmitters or by a Mitros™+ flash when the LP180R is in Rx-C, Rx-N, Rx-S or STRATO II wireless modes and set to the proper channel and group.

When using an Odin™ transmitter or Mitros™+ flash in Odin™ Tx mode, remote power and zoom adjustments, as well as TTL and stroboscopic functionality, are also usable in the LP180R. These functions are only available in Rx-C, Rx-N or Rx-S mode, if using an Odin™ transmitter or Mitros™+ flash for Canon, Nikon or Sony, respectively.

Please note that when using Rx-C, Rx-N, Rx-S or STRATO II wireless modes, the LP180R's miniphone and PC sync ports will be disabled.

Odin™ Rx for Canon (Rx-C)

To enter Odin™ Rx for Canon mode, **press and hold** the mode function button and select Rx-C. Selecting this mode will allow the LP180R to be triggered off-camera with a Phottix® Odin™ transmitter for Canon, as well as a Mitros™+ flash for Canon in Odin™ Tx mode. This mode will allow remote power and zoom adjustment of the LP180R when the flash is set to TTL flash mode. Rx-C mode features TTL, Manual and Multi (stroboscopic) flash modes and high speed sync (HSS) and second curtain sync (SCS)* capabilities. HSS and SCS settings are controlled entirely through the Odin™ transmitter or Mitros™+ flash.

*Second curtain sync (SCS) capabilities are available with the Odin™ 1 and 1.5 systems for Canon, but are not available with the Odin™ II for Canon. Consult your transmitter's manual to confirm your model's capabilities.

Odin™ Rx for Nikon (Rx-N)

To enter Odin™ Rx for Nikon mode, **press and hold** the mode function button and select Rx-N. Selecting this mode will allow the LP180R to be triggered off-camera with a Phottix® Odin™ transmitter for Nikon, as well as a Mitros™+ flash for Nikon in Odin™ Tx mode. This mode will allow remote power and zoom adjustment of the LP180R when the flash is set to TTL flash mode. Rx-N mode features TTL, Manual and Multi (stroboscopic) flash modes and high speed sync (HSS) and second curtain sync (SCS) capabilities. HSS and SCS functionality is dependent on your camera body's features and is controlled from your camera's menus. Check your camera's manual for information on how to enable this feature.

Odin™ Rx for Sony (Rx-S)



To enter Odin™ Rx for Sony mode, **press and hold** the mode function button and select Rx-S. Selecting this mode will allow the LP180R to be triggered off-camera with a Phottix® Odin™ transmitter for Sony, as well as a Mitros™+ flash for Sony in Odin™ Tx mode. This mode will allow remote power and zoom adjustment of the LP180R when the flash is set to TTL flash mode. Rx-S mode features TTL, Manual and Multi (stroboscopic) flash modes and high speed sync (HSS) and second curtain sync (SCS) capabilities. HSS settings are controlled entirely through the Odin™ transmitter or Mitros™+ flash. SCS settings are controlled from your camera's menus. Check your camera's manual for information on how to enable this feature.

Making Remote Adjustments in Rx-C, Rx-N or Rx-S

When using the LP180R with an Odin™ transmitter or Mitros™+ flash, power and zoom adjustments may be made remotely. To make remote adjustments, make sure the LP180R is in Rx-C, Rx-N or Rx-S wireless mode, TTL flash mode, and is set to the same channel as the Odin™ transmitter or Mitros™+ flash .

To remotely adjust power settings, **the LP180R must be in TTL mode**, but power may be controlled manually by setting the LP180R's group to "M" on the Odin™ transmitter or Mitros™+ flash.

When using an Odin™ transmitter or Mitros™+ flash to remotely control the LP180R off-camera, there are three ways to affect power levels. Output adjustments may be made directly from the LCD display of the LP180R, via the Odin™ transmitter or Mitros™+ flash, or through the flash exposure compensation (FEC) setting on your camera (if using TTL). It is recommended to control power remotely from the Odin™ transmitter or Mitros™+ flash and to begin with a +0EV setting on both the LP180R itself, and the FEC of your camera.

To remotely adjust zoom settings, the LP180R may be in TTL, Manual or Multi modes, and the zoom must be set to Auto (noted by  symbol). If the  symbol appears next to the zoom setting, then the zoom may only be controlled manually, from the LP180R's LCD display. When the LP180R is set to Auto zoom, zoom settings may be set both manually by an Odin™ transmitter or Mitros™+ flash, or determined automatically by your camera, by setting the LP180R's zoom group to "TTL" on the Odin™ transmitter or Mitros™+ flash.

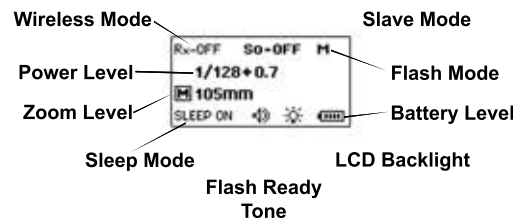
The effect of remote adjustments on alien spacecraft is unknown at this time. If you inadvertently bring down an alien vessel, we suggest apologizing profusely.

Strato™ II Multi Rx (STRATO II)

To enter Strato™ II Multi Rx mode, **press and hold** the mode function button and select STRATO II. Selecting this mode will allow the LP180R to be triggered off-camera with a Phottix® Strato™ II Multi transmitter, an Odin™ transmitter or a Mitros™+ flash in Odin™ Tx mode. STRATO II mode features Manual flash mode.

Note: When using the LP180R's built-in radio receiver in Rx-C, Rx-N or STRATO II modes, the LP180R's miniphone and PC sync ports are disabled. In order to trigger the LP180R via a miniphone or PC cord, be sure that the LP180R is in Rx-OFF mode.

Wireless Off (Slave Mode)



To enter Wireless Off mode, **press and hold** the mode function button and select Rx-OFF. Selecting this mode will allow the LP180R to be triggered on-camera and off-camera via the built-in optical slave, or a radio trigger or sync cord connected to the miniphone or PC port. When using Wireless Off mode, change the slave mode settings of the LP180R by pressing the mode function button and selecting the desired slave setting using the +/- adjustment buttons. Finalize your selection by pressing the set selection button, or the selection will finalize automatically after two seconds. Rx-OFF mode features manual flash mode.

S0 (off): This setting disables the LP180R's built-in optical slave. Select this mode when using the flash on-camera or connected to a triggering device via a PC or miniphone cord.

S1: In this optical slave setting, the LP180R 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 using TTL. In this optical slave setting, the LP180R will fire after ignoring a set number of pre-flashes, which is indicated by the number after the 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 LP180R 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. (I know, right?)

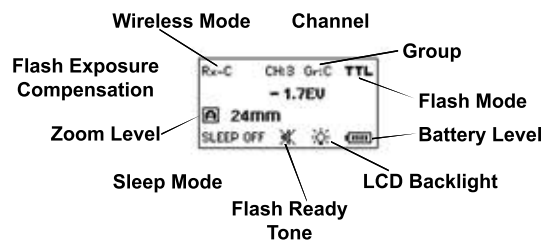
For more information on camera and flash synchronization, visit www.lumopro.com/LP180R

Flash Modes


When using Rx-C, Rx-N or Rx-S wireless modes, the LP180R features three flash modes: TTL, Manual and Multi (stroboscopic). To access flash modes, press the mode function button to cycle through the available options. Flash modes are indicated by the icon in the top right corner of the LP180R's LCD display. When using STRATO II or Rx-OFF wireless modes, only manual mode is available.

TTL

In TTL mode, your camera's through-the-lens (TTL) metering determines the exposure and the LP180R's settings for each image. TTL settings are available when the LP180R is off-camera in Rx-C, Rx-N or Rx-S wireless modes and requires a Phottix® Odin™ transmitter or Mitros™+ flash.



Power: In TTL mode, power adjustments are displayed as exposure value (EV) compensation. EV levels are adjusted by pressing the +/- adjustment buttons on the LP180R or by using an Odin™ transmitter or Mitros™+ flash.

Zoom: Zoom adjustments are made by pressing the left/right selection buttons on the LP180R, and can also be determined by your camera via TTL when the flash is set to Auto zoom. To select Auto zoom, press the left/right selection arrows until the  symbol appears next to the zoom setting. Auto zoom allows the LP180R's zoom level to match the focal length of your DSLR's lens, when the LP180R's group is set to "TTL" on the Odin™ transmitter or Mitros™+ flash. Zoom settings may also be controlled manually from an Odin™ transmitter or Mitros™+ flash, when Auto zoom is enabled on the LP180R.

HSS/SCS: High Speed Sync (HSS) and Second Curtain Sync (SCS) capabilities are available in Rx-C, Rx-N or Rx-S wireless modes, depending on your camera and transmitter's functionality. Consult pages 10-11 of this manual, or your camera or transmitter's manual for more information.

HSS allows the LP180R to sync with your camera at shutter speeds faster than the published flash sync speed. HSS can come in handy when trying to combat bright ambient light and to achieve a shallow depth of field.

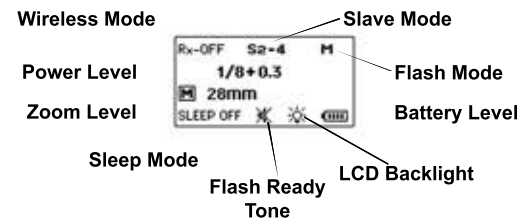
SCS fires the LP180R at the end of an exposure, rather than the beginning, for creative effects.

There is no HSS or SCS indicator on the LP180R, so be sure to enable or disable these options on the Phottix® Odin™ transmitter or Mitros™+ flash, or in your camera's menu.

Important Note: When the LP180R is in the TTL flash mode, remote power and zoom adjustments may be made via a Phottix® Odin™ transmitter or Mitros™+ flash. To ensure full remote control over power and zoom settings, either manual or TTL, keep the LP180R in TTL mode. Power and zoom settings may be manually controlled by an Odin™ transmitter or Mitros™+ flash when the LP180R is in TTL mode, and the LP180R's group is set to "M" on the Odin™ transmitter or Mitros™+ flash.

Manual

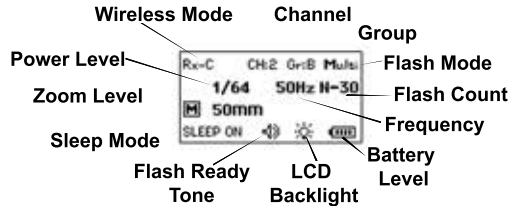
In manual mode, all power and zoom adjustments are controlled from the LP180R's LCD display by pressing the +/- adjustment buttons for power and the left/right selection buttons for zoom. Manual mode is available in all wireless modes.



When using manual mode in Rx-C, Rx-N, Rx-S or STRATO II wireless modes, channel and group settings are accessible.

Multi

For stroboscopic photography, using the LP180R in Multi mode will allow the LP180R to rapidly fire multiple times during a single exposure. Multi mode is available in Rx-C, Rx-N and Rx-S wireless modes.



Power: When the LP180R is in Multi mode, power adjustments can be made manually from the rear LCD display of the LP180R. Power may be adjusted in full stop increments.

Zoom: Zoom adjustments can be made manually from the rear LCD display of the LP180R, or Auto zoom can be used to allow zoom settings to be adjusted remotely by an Odin™ transmitter or Mitros™+ flash.

Frequency: Frequency, displayed in Hz, represents the desired number of flashes per second. To set the frequency, press the +/- adjustment buttons to access the power level. Use the left/right selection buttons to move the highlighted area to Hz, and use the +/- buttons to change the frequency. Once you have chosen a frequency setting, finalize your selection by pressing the set selection button, or your choice will finalize automatically after two seconds.

Flash Count: Flash count, displayed as N, represents the total number of flashes desired during the exposure. Flash count is indicated by the number after the hyphen (N-#). To set the flash count, press the +/- adjustment buttons to access the power level. Use the left/right selection buttons to move the highlighted area to N-, and use the +/- buttons to change the flash count. Once you have chosen a flash count, finalize your selection by pressing the set selection button, or your choice will finalize automatically after two seconds.

Shutter Speed: Each combination of frequency and flash count has an optimum shutter speed. This shutter speed can be calculated as:

$$\text{Number of Flashes (N) / Frequency (Hz) = Shutter Speed}$$

Example: Flash Count at 10, Frequency at 100 Hz
 $10/100 = 0.1 \text{ sec. or } 1/10\text{th sec. shutter speed}$

Notes on Using Multi Mode:

After multiple consecutive uses, if the flash begins to overheat, thermal cut-off will be enabled, and the LP180R will need time to cool down before continuing use.

Depending on the flash power level and desired frequency, the LP180R will have a maximum flash count available. Please refer to the chart below for the maximum number of flashes available based on the selected frequency and power level:

Power Level \ Frequency (Hz)	1	2	3	4	5	6-7	8-8	15	11	12-14	15-18	20-40	60-100
1/4	8	5	4	4	3	3	3	2	2	2	2	2	2
1/8	14	14	12	10	8	8	5	4	4	4	4	4	4
1/16	30	30	30	20	20	20	15	8	8	8	8	8	8
1/32	60	60	60	50	50	40	30	20	20	20	18	16	12
1/64	90	90	90	80	80	70	60	40	40	40	35	30	20
1/128	100	100	100	100	100	90	80	70	70	60	50	40	40

Using Multi mode with higher flash power levels will result in a lower available flash count per exposure.

Channels, Groups and Additional Functions

Controlling Channels: While in Rx-C, Rx-N, Rx-S and STRATO II wireless modes, the LP180R may be controlled wirelessly via one of four selectable channels: 1, 2, 3 and 4. To select the channel, press and hold the set selection button to highlight CH, and use the +/- adjustment buttons to select the desired channel. Finalize your selection by pressing the set selection button, or your choice will be finalized automatically after two seconds. When using an Odin™ II transmitter, additional channels (5-32) are available.

Controlling Groups: While in Rx-C, Rx-N, Rx-S and STRATO II wireless modes, multiple LP180R's may be controlled separately in one of three selectable groups: A, B and C. To select a group, press and hold the set selection button to highlight CH and press the left/right selection buttons to move the highlighted section to Gr. Use the +/- adjustment buttons to select the desired group. When using an Odin™ II transmitter additional groups D and E are available. **Groups D and E are only available when using Channels 5-32.**

Digital ID: When used with an Odin™ II transmitter, the LP180R has the ability to use a Digital ID, with ID settings 0000-9999 available. These ID's allow for added security when triggering. In order to access the Digital ID settings, make sure that the LP180R's channel is set to 5-32. Press and hold the set selection button to highlight CH and press the left/right selection buttons to move the highlighted section to the first number of the ID. Use the +/- adjustment buttons to set the desired number, then use the left/right selection buttons to do the same for the remaining three digits of the ID. Make sure that the selected Digital ID on the Odin™ II transmitter and the LP180R match, to ensure that the flash fires properly. **Digital ID's are only available when using Channels 5-32.**

Using Sleep Mode/Auto Power-Off: When sleep mode is enabled, the LP180R will go to sleep after remaining idle for 20 minutes. The flash ready LED indicator will turn blue once the flash enters sleep mode. To wake up the flash, press the test flash button on the LP180R, Odin™ transmitter or Mitros™+ flash. If the LP180R is left in sleep mode for 3 hours, the flash will completely power off.

Controlling Sleep Mode/Flash Ready Tone/LCD Backlight: To disable or enable any of these features, hold down the set selection button to highlight CH, and use the left/right selection buttons to move the highlighted area to the desired feature. Enable or disable each feature by using the +/- adjustment buttons. Press the set selection button to finalize your setting, or the selection will finalize automatically after two seconds.

Controlling Dragons in Mid-Flight: Okay, not really. But wouldn't it be cool if that actually was a feature of your LP180R? We think so too. Maybe next model. Really, we're just experimenting to see how many people actually read all the way through their manual. (We don't think it's too many.) If you are one of the brave few, send an email to support@lumopro.com, with the subject line "I Read Gud" for a random reward.

EC Declaration of Conformity

We: **LumoPro**
Of: 118 Graceland Blvd., Ste 164, Columbus, OH 43214, USA

Declare under our sole responsibility that the product:

LumoPro LP180R Off-Camera Flash

Model No: **LP180R**

Complies with the requirements per the:
Electromagnetic Compatibility Directive (EMC) 2004/108/EC
To which this declaration relates is in conformity with the following standards or other narrative documents:
EN 61000-6-3: 2007 + A:1:2011
EN 61000-6-1:2007
IEC 61000-4-2: 2008
IEC 61000-4-3: 2010
IEC 61000-4-8: 2009

Signed:



Janae Miller
Brand Manager
LumoPro



September, 2014

FCC Compliance

This device complies with Part 15 of the FCC Rules. 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.

Warranty

We pride ourselves on having 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 smoke signal.

Love,
The 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 a critical hit from a master level wizard is not covered.

LumoPro® reserves 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, shows signs of impact or tampering, or was damaged when used with modified accessories or accessories not designed for use with the LP180R. If you are unsure if your flash is still covered under warranty, please contact the authorized dealer where you purchased the flash.

The 2-year international warranty is only valid when the flash is purchased through an authorized LumoPro® dealer. For a full list of authorized dealers visit, www.lumopro.com/where-to-buy.

All warranty claims will be handled through the authorized LumoPro® dealer where the flash was purchased. Please contact your authorized dealer before sending in your flash unit for service and warranty claims.

When making a warranty claim, include your LP180R's serial number. You can find the serial number on the bottom of the original LP180R packaging on the barcode sticker, or on your LP180R unit below the sync port/USB cover.



The LP180R contains sensitive electronic components. If your flash is not cooperating, try singing it a love song as a last resort. For even serial numbers, we recommend "How Am I Supposed to Live Without You" by Michael Bolton. For odd serial numbers, Debby Boone's "You Light Up My Life" may do the trick. Video evidence of such attempts is encouraged to be sent to marketing@lumopro.com.

Warranty Registration

To activate your 2-year international warranty, you will need to register your flash at www.lumopro.com/warranty. Registration will allow for expedited service claims and keep you in the loop on important product information.

CAUTION:

Do not leave or store the flash unit in temperatures exceeding 100°F (38°C). If you wouldn't leave your pet (pet rocks excluded) or child there, don't leave your LP180R there.

Remove the batteries, if you do not intend to use the LP180R for an extended period of time.

The LP180R is not waterproof, nor a flotation device. Exposure to water or excessive humidity may cause permanent damage to the flash, voiding the 2-year international warranty.

The LP180R contains intricate electronic components, and should be protected against shock, impact or any other improper handling.

The LP180R contains a high voltage flux flash capacitor. Do not try to open the flash housing or attempt to repair or modify the LP180R, as any exposure to high voltage can be very dangerous or deadly. **Opening or attempting to open your LP180R will void the warranty.**

Do not use the LP180R 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 at close proximity.

Do not attempt to use the LP180R for anything other than its intended use.

This manual has been brought to you by the letter "M". Please flash responsibly. Only you can prevent flash fires. If you have an OCF problem, please seek help and contact the LumoPro Hotline at 855-586-6776.

