

One Year Unconditional Warranty

If for any reason, this ProMaster product fails within ONE YEAR of the date of purchase, return this product to your ProMaster dealer and it will be exchanged for you at no charge. ProMaster products are guaranteed for ONE FULL YEAR against defects in workmanship and materials. If at any time after one year, your ProMaster product fails under normal use, we invite you to return it to ProMaster for evaluation.



[UNPLUGGED *Monolight*]



WWW.PROMASTER.COM | FAIRFIELD CT 06825

Unplugged mSeries Monolights
CODE 6740, 6754, 6768

Unplugged mSeries Light Kits
CODE 6747, 6761, 6775

Made in China

Welcome to the world of wireless high-powered flash photography! The ProMaster m300, m400, and m600 monolights can be used just about anywhere thanks to the combination of rechargeable battery power and 2.4GHz wireless radio triggering. These lights are designed and built with both ease of use and quality in mind. From the excellent controls and metal outer casing to the LED modeling light and hyman-style flash tube, these monolights will provide years of excellent service with beautiful results. And the ProMaster-S mount (Bowens compatible) means you can attach the industry's largest selection of light modifiers. Please be sure to read this manual so you can understand and get the most from your new lights.

PARTS IDENTIFICATION

m400/600



m300

SPECIFICATIONS

Model	<i>m300</i>	<i>m400</i>	<i>m600</i>
Guide Number	54	77	89
Output Power	525 lx-s at 10'	1100 lx-s at 10'	1300 lx-s at 10'
Output Adjustment	6-stop (1 – 1/32)		
Number of Flashes	240 times	360 times	320 times
Battery Charging Time	2 hours	5 hours	
Color Temperature	5500K ± 200k		
Recycling Time	0.1-2s	0.1-3s	0.1-5s
Wireless Range	300' / 100m with mTransmitter		
Modeling Light	5 Watt LED		
Power Source	Li-ion battery or optional AC adapter		
Li-ion Battery	11.1V – 2000mAh	11.1V – 6000mAh	

Note: Guide Number and output power are assessed with reflector installed but diffuser not installed.

Note: Number of flashes ratings are at full power.

PRECAUTIONS

1. Do not disassemble, open, or repair this monolight by yourself.
2. This product is not water-resistant. Keep it away from rain, snow, and high humidity areas.
3. If you touch the battery after a period of sustained firing or charging the battery may be warm or hot. Be careful handling it.
4. Always switch the monolight OFF before changing the battery.
5. Do not fire the monolight from a short distance directly into the eyes of people or animals. This can cause damage to the retina and may even lead to blindness.
6. Avoid corrosive or flammable substances when cleaning this monolight.
7. Do not touch the monolight with wet hands. This could cause an electrical shock.

OPERATING THE LIGHT'S CONTROL PANEL (CONT'D)

Note: after you turn the power of the light down to a lower setting you need to fire one flash to dump excess power from the light's capacitors. You can use the Test Button (2) on the light or the Test Button (19) on the mTransmitter to do this.

Note: a green light to the right of the Test Button (2) will illuminate then the light is charged and ready to fire. The light will temporarily go out while the light is recycling its power.

Watch the Battery Capacity Indicator (5) to know how much power remains in the light's battery. As it loses power the series of lights will go dim from right to left. When it reaches the final, red-colored light on the left side the battery is nearly exhausted and should be recharged.

OPERATING THE LIGHT BY WIRELESS TRANSMITTER

Open the bottom cover of the included mTransmitter and install a fresh 23A battery (12 V alkaline) using the + / - symbols in the compartment for proper orientation. Use the light's mReceiver Channel Switches (7) and the mTransmitter's Channel Switches (21) to synchronize the two. Set them to the same channel to fire the light. Or you can set the mTransmitter's switches to channel 15 (all switches pointing away from the numbers) to achieve the ALL CHANNEL option. In this channel the mTransmitter will fire any mLight or mReceiver regardless of which channel it is set to.

Attach the mTransmitter to your camera and then turn its Power Switch (24) to the ON position to prepare it to fire the light. It should fire the light each time you take a photo or when you press the Test Button (19) on the mTransmitter.

Note: Be careful to watch the position of the channel switches on the mTransmitter and on the light. There are 4 numbers to guide the position of each switch. The numbers are above the switches on the mTransmitter and below the switches on the light's receiver.

An alternative method of firing the light is to connect a PC cord (not included) to the Sync. Port (8) of the light.

SOME NOTES ABOUT THE FLASH TUBE

Unplugged monolights use an incredibly high quality hyman-style flash tube. The color temperature is daylight balanced, the CRI is extremely high (96+). Under normal use a flash tube will last for a very long time (many thousands of flashes). However, the flash tube is also delicate and can be damaged if the light is dropped or if an object breaks the tube. It is replaceable. See your local ProMaster dealer to purchase a replacement that is specific to your light. When changing the tube be extra careful if the old tube is damaged to avoid cuts from the glass. Begin by disconnecting the light from power by removing the battery or AC adapter. Next, unwind the silver ground wire from the lower part of the tube. The jaws of the small clamp will release the tube once the ground wire is unwound. Now grasp the tube and pull it straight out of the light. It should not take much force. Reinstall your new flash tube in the reverse order.

PARTS IDENTIFICATION (CONT'D)

1. Main Power Switch
2. Test Button (TEST)
3. Modeling Light Button (MODEL)
4. Audible Alarm Button (BUZZ)
5. Battery Capacity Indicator
6. Power Control Dial
7. mReceiver Channel Switches
8. Sync. Port (1/8" 3.5 mm)
9. Rechargeable Battery
10. Carry Handle
11. Tilt Control Knob
12. Light Stand Attachment Knob
13. Light Stand Attachment Button
14. Reflector (with removable diffuser)
15. Battery Lock Buttons (m400 & m600)
16. Battery Lock Switch (m300)
17. Battery ON Switch (m300 only)
18. Umbrella Slot (with locking knob)
19. mTransmitter Test Button
20. mTransmitter Indicator
21. mTransmitter Channel Switches
22. Sync. Socket (2.5 mm)
23. Hot Shoe
24. Power Switch
25. Locking Wheel



ASSEMBLING THE LIGHT

Mounting / dismounting the reflector and other accessories:

The light uses a ProMaster-S bayonet type mount for the included reflector. This mount is compatible with other ProMaster-S and Bowens-S type light modifiers and shapers. To attach or remove the reflector or other accessory from the front of the light start by facing the front of the light. Locate the switch on the right side of the light near its front. Slide this switch towards the back of the light and hold it there while rotating the reflector (or modifier) counterclockwise to remove. To mount the reflector (or modifier) align the 3 tabs on the reflector with the 3 square slots on the front of the light. Push the reflector into the slots and rotate it clockwise until it is securely 'snaps' into place.

Note: there is an oval cutout in the reflector to allow the use of a photographic umbrella (not included). Be sure to mount the reflector with the oval hole facing down for proper positioning.

Installing / removing the battery:

m400 and m600: Both of these lights use the same type 6,000mAh lithium-ion, Rechargeable Battery (9). It can be removed or installed from the light by squeezing the two Battery Lock Buttons (15) and lifting the battery up and out or pushing it into the top cavity of the light. This battery can only be installed in one direction.

m300: The m300 uses a 2,000mAh lithium-ion Rechargeable Battery (9). On top of this battery you will find a Battery Lock Switch (16). Slide the switch toward the back of the light to remove the battery. It will pop-up slightly so you can lift it out of the light's cavity. To install the battery simply push it down into the light until you hear it snap into place. This battery can only be installed in one direction with the contacts towards the front of the light.

Note: The Battery On Switch (17) should be turned OFF when installing or removing the battery from the m300 light.

CHARGING THE BATTERY

The battery must be removed from the light before it can be recharged. Locate the battery charger included with the unit. It is comprised of a transformer with a long cord having a small, round DC connection on one end, and a second cord with a household connector on one end. Connect the opposite end of the household cord to the receptacle in the side of the transformer. Next connect the small, round DC connector of the transformer cord directly to the battery. The charging port is located on the bottom of the m400/m600 battery. For the m300 battery the charging port is located in the front side of the battery just below the top surface. Once you connect the transformer to the battery a small indicator light in the transformer may illuminate. This simply means there is still some energy in the battery. Now you can connect the entire setup to a wall receptacle using the household connection. The indicator light on the transformer will turn red to indicate the unit is charging. When charging is complete the indicator light will turn green.

Note: lithium-ion batteries can lose some of their charge over time. If you have charged your battery but not used it for a long amount of time (many weeks or months) it may need to be recharged to return to full capacity.

CONNECTING THE LIGHT TO A STAND / USING THE LIGHT STAND MOUNT

The m300, m400, and m600 lights use an excellent quality tilting mount for connection to a light stand or other type of grip item using a common 5/8" male connector. Loosen the Light Stand Attachment Knob (12) so the set screw inside of the mount is not protruding. Now push and hold the Light Stand Attachment Button (13) while you slide the light's mount onto the stand. Release the button and then tighten the attachment knob for a secure fit.

To adjust the angle of the light turn the Tilt Control Knob (11) counterclockwise and adjust the mount. Tighten the knob securely before letting go of the light.

Note: The Tilt Control Knob (11) can rest in any phase position you wish. Pull out on the knob and turn it to change its resting position.

The light's mount also includes an Umbrella Slot with locking knob (18). You can slide the shaft of a photographic umbrella into the slot and use the locking knob to hold it in place.

Note: If you use an umbrella with the reflector attached you must first remove the front snap-in diffuser and be sure the umbrella cutout in the reflector is facing down. Guide the umbrella's shaft through the oval hole in the reflector and then into the Umbrella Slot (18).

OPERATING THE LIGHT'S CONTROL PANEL

With a charged battery installed slide the Main Power Switch (1) to the ON position. For the m300 light remember to slide the Battery ON Switch (17) to the ON position first. Otherwise the light will not power up.

Press the Modeling Light Button (3) once to turn on the LED modeling light. Press it once more to turn the modeling light off.

Note: Using the modeling light puts a continuous drain on the battery.

Press the Audible Alarm Button (4) once to turn it on and once to turn it off. The audible alarm will make a 'beeping' sound each time the light is fired, each time it has recycled and is ready to fire again, and each time you turn the modeling light on or off.

Press the Test Button (19) to flash the light. The test button is also useful for 'dumping' excess power in the capacitors when you turn down the power of the light.

Use the Power Control Dial (6) to change the output power of the light's flashes. Turn the dial clockwise to increase power or counterclockwise to decrease power. A blue light in the dial shows each of the 6 stops of power from full to 1/32 and you can fine-tune the power by placing the dial between these full stops.