LED100B MKIII
Instruction Manual

Specifications

Model	LED100B MKIII
Power Output	100W
Brightness	11,000 lux @ 1m
LED Type	Integrated LED Chip
Beam Angle	65°
CRI	>95
TLCI	>95
Power Range	10-100%`
Heat Dissipation	Built-in Fan (<18dB)
Remote Control	Yes (Sold Separately - Requires Receiver Dongle)
Adapter Input	AC 90-240V~ 50/60Hz
Adapter Output	DC 24V / 5A
Adapter Output Port	XLR-4 Port
Dimensions	355mm x 195mm x 305mm
Net. Weight	2.5kg

⚠ Please read these instructions carefully before using your device for the first time. It includes everything you need to know to avoid physical injuries and damages.

⚠ Please pay attention to all safety notes in this instruction manual.

⚠ Please keep this manual safe. In case of selling or leaving the device to other persons, please don't forget to hand this manual over as well.

Table of Contents

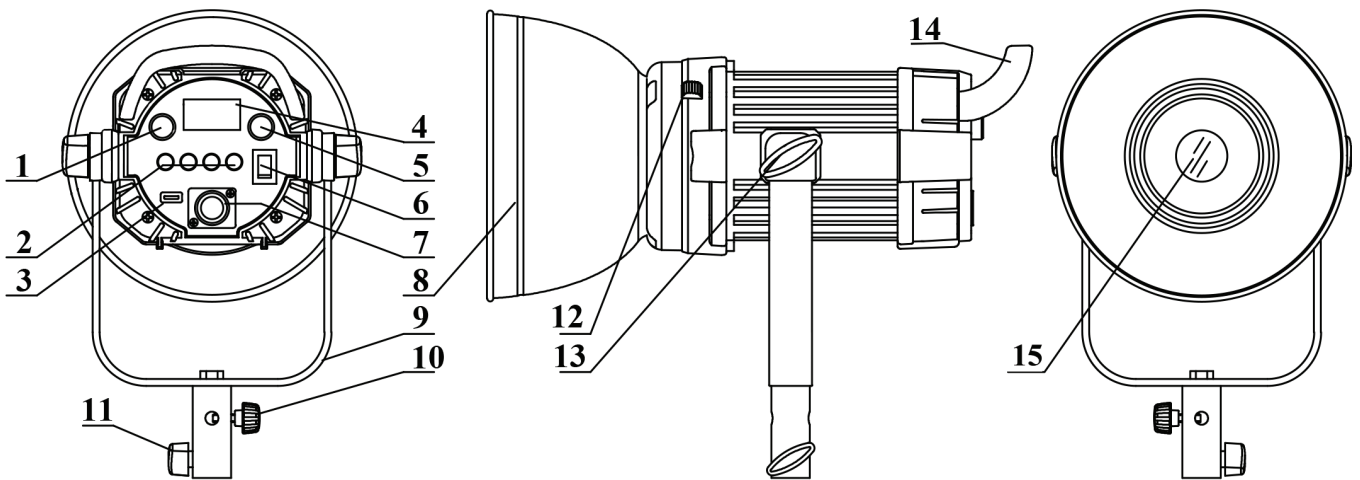**CAUTION!**

DO NOT Look Directly Into The Light

Important Information... Please Read

Parts & How To Use

1. Colour Temperature Dial
2. Parameter Store/Read Button
3. USB Receiver Port
4. LCD Screen
5. Power Dial
6. Power Switch
7. Power Input Port
8. Reflector
9. Yoke Bracket
10. Umbrella Locking Screw
11. Stand Locking Screw
12. Modifier Release
13. Angle Adjustment Screw
14. Handle
15. LED Chip

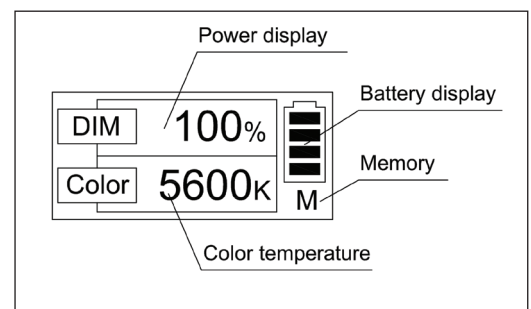## How To Use

1. Power Input

Connect the power adapter, to the Power Input port (7), located at the back of your LED100B MKIII. Please pay attention to orientation of the bayonet on the power connector. You should hear a "click" which indicates that your power adapter is securely connected to your LED100B MKIII unit. Once connected, plug your power adapter into the mains power socket, and switch on the power switch (6). LCD display (4) should then light-up to indicate that the unit is ready for use.

The LED100B MKIII supports 24V battery power supply. The battery power output port needs to be converted to an XLR-4 port.
If only a single V-lock series battery (such as the PiXAPRO BP130) is used to supply the power, the battery voltage is DC14.8V. At this moment the light output power decrease to 70% of normal voltage.

There is a battery indicator on the LCD screen has power display, when the battery level is insufficient, the battery indicator will drop. If battery display shows one grid, it means that need to charge the battery. If continue to use it, the light will automatically switch off when the battery power used up.

Note: If don't use our light power adapter, or adapter is not match to the light requirement, it will lead some conditions happen such as the light flicker, no brightness or weak brightness. Please turn off power in time in case damage the light or adapter.

3

How To Use

1. Power/Colour Tempterature Adjustment

To control the Power output, rotate power dial (5) clockwise, the power will increase in increments of 10%. if you rotate the power dial in an anti-clockwise direction, power decrease in 10% increments for quick adjustments.

For more precise power adjustments, press power dial (5) in once, and the percentage on the display should blink. Rotate the dial in a clockwise direction, and the power increase by increments of 1% for every click; Rotate the dial in an anti-clockwise direction, and the power decrease by increments of 1% for every click; The Power range goes from 0-100%. 100% represents full power status, and 0% represents off power status.

To control the Colour-Temperature, rotate the Colour-Temperature dial (1) cloackwise, and the Colour-Tempertature will increase up to 5600K (Daylight Balanced. If you rotate the colour-temperature dial anti-clockwise, it decrease down to 3200K (Tungsten Balanced).

3. Memory Function

The parameter storage/recall buttons (2), from left to right, are M1, M2, M3, and M4. Press and hold for two seconds to store parameter settings and short press to recall storage parameters. For example, if you want to store certain power settings, press and hold the key M3 for 2 seconds. The "M3" appears in the lower right corner of the LCD display, e.g. the current power and colour temperature parameters are stored. When the parameters are changed, if you need to use the previously stored power settings again, simply press the M3 key to restore the original parameters.

4. Light ID and Group Settings (For Optional Remote Control)

Insert the optional PiXAPRO 2.4GHz remote control receiver into the USB receiver socket (3) located at the back of the LED100B MKIII unit. Together with the optional PiXAPRO 2.4GHz radio remote, you can wirelessly and remotely control the power of your LED100B MKIII light

Simply insert the remote control receiver into the USB receiver port (3) and turn on the main power switch (6). The red indicator light on the remote receiver should flashes, indicating that the communication connection is normal. At the same time, the LCD screen automatically switches to the interface shown in the figure to the right. Set the remote transmitter to the same Light ID Number as set on the LED head, and you should now be ale to remotely control the light.
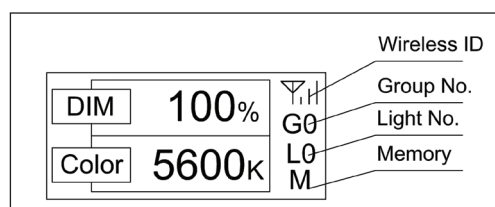

Light ID number setting: After pressing and holding the power dial (5) for two seconds, the "G0" icon on the LCD screen starts flashing. Now use the power dial (5) to set your groups on the flash (G0-G9); Press the power dial (5) again and the "L0" " icon on the LCD screen should start blinking. Now use the power dial (5) to set your light-number on the flash (L0-L9). Once you are happy with your settings, press the power dial (5) in again to

2.4GHz Wireless Remote Control

2.4GHz Wireless Receiver Dongle
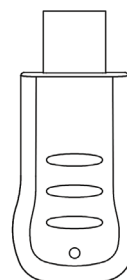
How To Use

confirm and save your settings. You can also leave your adjustments for about 2 seconds to automatically save. The LED100B MKIII can be set to a total of 100 Light numbers.

5. Overheat Protection

The LED100B MKIII features a built-in temperature controller and an ultra-quiet cooling fan (<18dB), strictly to regulate the temperature of the LED100B MKIII body. Since the LED100B MKIII uses the rear-conduction heat dissipation method, the heat from the LED chip is channelled directly to the LED100B MKIII's housing where the heat is dissipated.

If the temperature of the shooting environment is too high, the LED100B MKIII's body temperature will increase. If it rises above about 58°C, the output power will be automatically reduced by 50% to protect the LED chip from overheating and sustaining permanent damage. If the temperature of the LED100B MKIII continues to increase, the LED chip will automatically switch-off until the unit cools back down to a safe working temperature. After restarting, the LED100B MKIII everything should go back to normal.

Optional Accessories

Optional accessories for the PiXAPRO LED100B MKIII include:
2.4GHx Wireless Remote control, 2.4GHz Wireless remote control receiver dongle, V-Lock battery plate, S-Type fitting softboxes, reflectors, barn door sets etc. (Sold Separately).

Troubleshooting

Description	Possible Cause	Possible Solutions
Nothing Happens When Power is Switched on.	Power shows 10%	Rotate Power-Dial in a Clockwise Direction
	Power adapter does not match	Please use power adapter that comes supplied with the LED100B MKIII Unit
	Low Battery	Charge Battery Before Use
	Circuit Board Damaged	Please Return to Vendor for Repair
Lack of Brightness	V-Lock battery cannot supply enough power	Please use V-Lock battery Recommended by PiXAPRO
	Over-heat Protection has been activated	Leave adequate cooling time before use
When turn on the light, the battery displays inaccurate. Low battery when increase brightness, full battery when decrease brightness.	Battery display test indicated usage of time length in the current brightness. Increase brightness requires more battery; the usage time is short, so battery display shows less	Normal
Items shown on LCD display are incomplete, or the back-light is not turning on.	LCD Display is malfunctioning	Please Return to Vendor for Repair

Health & Safety Precautions

⚠️	DO NOT touch or allow anything to make direct contact with the LED chip whilst LED 100B MKIII is in use or is cooling down. May burn the skin, or cause permanent damage to the LED.
⚠️	DO NOT cover the LED 100B MKIII body whilst in use, as it can affect heat dissipation, and cause the LED 100B MKIII unit to overt-heat, which may cause permanent damage.
⚠️	ENSURE the device is given sufficient cooling-down time (approximately for 15 minutes for every hour of use) before storage.
⚠️	Please store LED 100B MKIII unit in a cool dry place.
⚠️	DO NOT expose the LED 100B MKIII to direct sunlight, moisture, dust, chemical solutions, gasoline, grease, oil, paint, or detergents etc. May cause permanent damage to your LED 100B MKIII head unit.
⚠️	DO NOT look directly into, or place Led chip at close proximity to the eyes of people or animals. Please use :LED 100B MKIII at a distance of at least 1m away from your subject unless diffused.
⚠️	ENSURE the device is properly disconnected the power supply when the light is not in use, before mounting or during maintenance.
⚠️	PLEASE ENSURE your device is checked by qualified Technician before switching on again, if you LED 100B MKIII has suffered any falls or hard impacts.
⚠️	ENSURE all the inflammable materials are kept away from the LED 100K MKIII.
⚠️	DO NOT insert metal object into the LED 100B MKIII housing
⚠️	DO NOT touch power cord with wet hands. Risk of electrocution
⚠️	When disconnecting the Power-Cord, please pull out by the plug, and not by the cable.
⚠️	DO NOT attempt to repair light. If your LED 100B MKIII develops a fault, as doing so will VOID your warranty. Please contact us at customerservice@essentialphoto.co.uk
⚠️	DO NOT dismantle the head unit unless work is carried out by a qualified technician. Dismantling your LED 100B MKIII will VOID your warranty.

PiXAPRO®