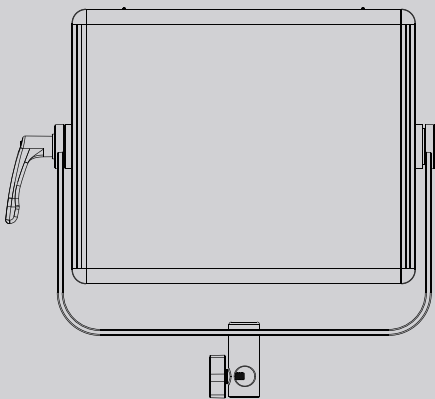




PL1 80C Panel Light User Manual



Thank you for purchasing this iFootage product. This manual provides important user information for the PL1 80C Panel Light. Please read the manual carefully before operating the equipment and keep the manual safe for future reference.

The PL1 80C is a flexible and convenient RGBWW flat panel light for both video and photography production and features brightness adjustment, HSI and special effects. Our TIR lens provides ultra bright luminance and the panel light can be connected to our Lumin mobile device APP to access multi-parameter settings, presets and other essential creative control functions. The light is suitable for both studio and location video and photography recording.

Contents

■ Features and Precautions	1
■ Component Description	2
■ Operation Description	3
■ Mode Operation	4
■ Menu Bar	5
■ Power Management	6
■ Bluetooth Connectivity	7
■ APP Introduction	8
■ Accessory Installation	9
■ How to Use	11
■ Product Specifications	13
■ List of Items	14
■ Notes	14
■ Maintenance	15

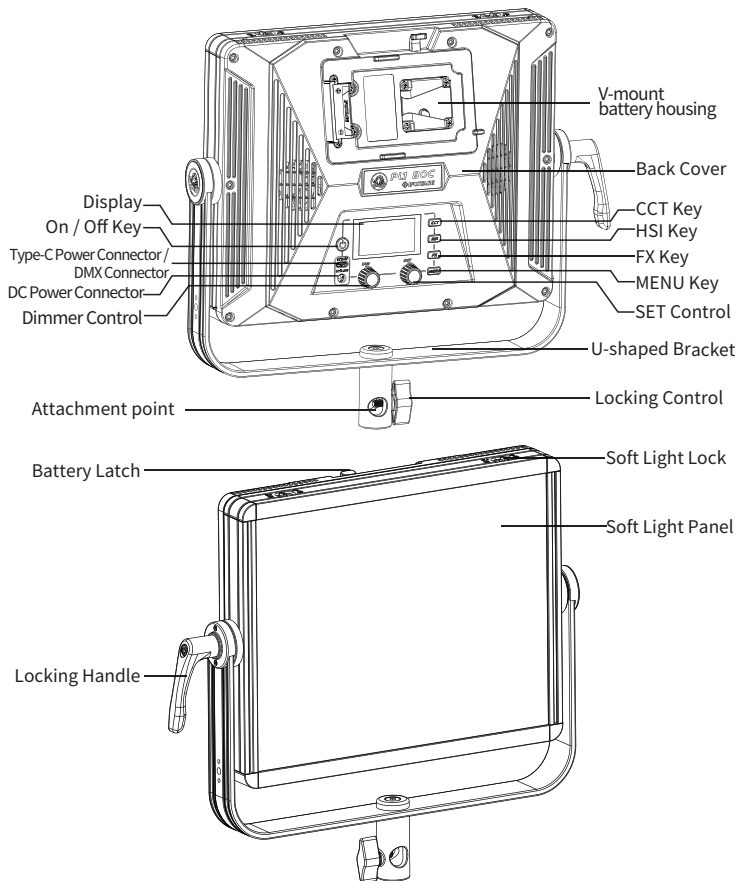
Features

1. The 80C panel light has a custom TIR lens which improves LED light energy efficiency and produces more than three times illumination.
2. Rotating light source ensures more realistic shadows.
3. Diffuser quickly and easily attaches to produce soft light.
4. Adaptable and simple to set up-can be used on or off a light stand as a flexible fill light.
5. Colour temperature range of 2700K-10000K. CRI RA value of 96 achieved when colour temperature is between 2700K and 7500K.
6. The 80C offers 19 different special lighting effects designed to suite various scenarios.
7. Comes with colour temperature, HSI and special effects control and can be connected to a mobile device via the APP which provides RGBW, colour co-ordinates XY, colour paper GEL, music mode, preset, multi-lamp control and other useful modes.
8. Set and save your personal lighting requirements using the preset and sequence dimming modes.
9. Equipped with barn door housing, V-mount battery housing and DMX connector. (Please visit www.footagegear.com to access a detailed DMX operation guide.)
10. Three fan settings: silent, auto and ultra silent. Real time temperature detection, fan speed adjustment.
11. High temperature alert and automatic heat protection function provides longer light life.

Precautions:

1. Keep lights dry, do not touch with wet hands , place in or near water or expose to rain, steam or moisture.
2. Please do not attempt to disassemble. If the light is faulty it should be inspected and repaired by our professional service team.
3. Keep out of reach of children and animals.
4. Please do not use the light near chemicals, combustible materials or similar products. Please read the warning labels of materials within the vicinity prior to using the light.
5. Please use the dedicated adapter for supplying power, and use within the specified voltage, current and temperature range.
6. Blocking the heat sink vent will damage the light.

Component Description



Operation Description

■ Button Operation

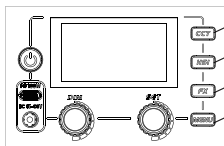


On/Off button:

Short press: power on

Long press: 3 secs or longer to power off

Short press: temporarily turn the light off



CCT key: short press to enter colour temperature mode

HSI key: short press to enter HSI mode

FX key: short press to enter effects mode

MENU key: short press to enter menu settings



Rotate: turn clockwise to increase brightness;

Dimmer key:

turn anti-clockwise to decrease brightness.



Press: Enter up to twenty levels of brightness adjustment



SET key:

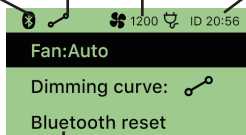
Rotate: select up and down options / switch between modes



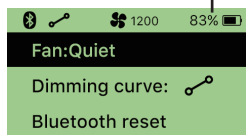
Click: access next level menu and sub-menu options.

■ Screen Description

Bluetooth Dimming curve Fan Speed Device code and power display



MENU



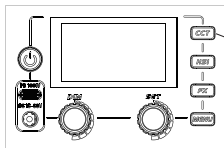
Mode Selection

■ Colour Temperature Mode

The adjustable parameters for colour temperature range from 2700K-10000K and a brightness range of 0%-100%. Press the CCT key to use the colour temperature mode and adjust the colour temperature by rotating the SET key. Press the DIM control and click the brightness adjustment key to quickly switch between brightness levels: 20% → 40% → 60% → 80% → 100% → 0% → 20% → 40% → 60% → 80% → 100% cyclic switching.

■ CCT Expansion

To enable CCT Expansion, press the CCT key and access by rotating and pressing the SET key (colour temp 1400K-20000K). When disabled the colour temperature ranges from 2700K-10000K.



1200 ID 20:56	
INT	CCT:4500K
100%	G/M:0
	Expansion:Off

Multiple clicks will quickly access built-in colour temperatures: 2700K, 3200K, 4300K, 5600K, 6500K, 7200K, 8000K and 10000K.

■ Special Effects Mode

There are 19 different special effects including, fireworks, CCT Cycle, SOS, rainbow, lightning, TV, pulsing, fire, emergency vehicle, party, strobe light, welding light, broken light bulb, candle, clouds, nightclub, strobe light, explosion and strobe fluorescent flicker. Brightness adjustment range is from 0% - 100%.

Press FX key to enter FX mode. Rotate and press SET key to select effect type, speed, frequency and decay and set by rotating and pressing the SET key. Rotate the SET key to select the effect, corresponding to the parameter size change.

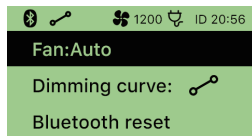
Brightness Parameters	1200 ID 20:56		Special Effects Mode
	INT	Paparazzi	
	100%	FREQ:6	
		CCT:5600K	The Colour Temperature Parameter

Menu Features

■ Fan speed adjustment

Fan speed can be adjusted to suit usage. There are 3 fan settings: 'Silent', 'Auto' and 'Ultra Silent'.

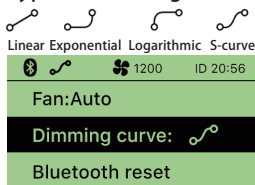
Press the MENU key to enter the menu directory; select the fan settings by rotating the SET key and press to switch between Silent/Auto/Ultra Silent modes.



■ Dimming Curve

This is a means of pre-setting the dimming light function using one of four dimming curves: linear, exponential, logarithmic and S-curve. Each one provides an alternative type of dimming.

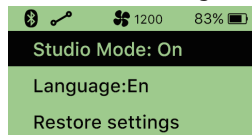
Press the MENU key to enter the menu directory; enter the curve setting by rotating the SET key and click to select the that you wish to use.



■ Studio mode

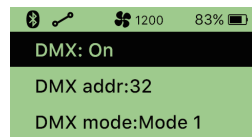
This setting provides a 'failsafe' should the light have a power outage/failure. In Studio Mode the light will automatically re-set itself once power is restored (no need to use the power-on button). It will also restore all of your previous parameters and settings.

To access, simply select menu, press the SET key, enter the sub-menu and rotate through to Studio Mode.



■ DMX Settings

To access, press the MENU key to enter the menu, rotating and press the SET key to enter the DMX settings, click the SET key to rotate DMX "On / Off" key, select the "On" key to switch the DMX address or DMX mode.



Menu Features

Language Settings

Press the MENU key to enter the menu directory → rotate the SET key to select the language → press the SET key to switch between Chinese and English.

Restore Factory Settings

Press the MENU key to enter the menu interface, rotate and press the SET key to enter factory reset, rotate the SET key to select "Yes/No", press "Yes" to reset factory settings, press "No" to exit the reset factory setting page.

Power Management

Multiple power supply options and voltage compatibility.

DC power port: DC15-30V

Type-C port: PD3.0 20V = 5A

V-mount battery: 14.8V / 26V / 28.8V = 6.6A

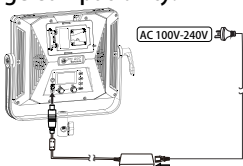
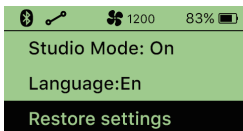
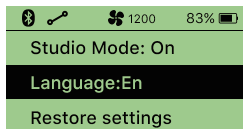
Note: If using a power adapter which is less than 14.8V, the lamp power will be automatically adjusted to below 80%. To ensure normal operation, it is recommended that the correct iFootage standard power supply is used at all times-third party adapters are not recommended.

Temporary Lamp Shut-Off

Press the power button to turn the light off, and press the power button again to turn the light on. Temporary light shut-off is a low-power mode. When the product is not in use, please check to make sure the product is fully shut down.

High Temperature Alert

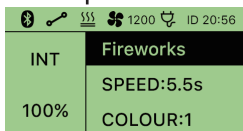
When the display shows the 'Overheating Protection' warning, the brightness will be reduced. It is recommended to turn the lamp off, and then continue to use after the overall temperature of the light has reduced. Long-term use of this product in high temperature conditions will affect the life of the device.



**To remove the power cable, please press the spring loaded cable release button and carefully pull out of housing. Do not force.*



High Temperature Alert

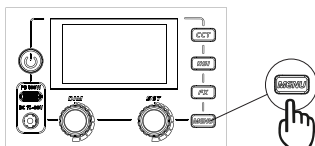


Bluetooth Connection

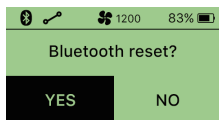
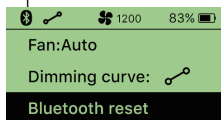
■ Bluetooth Settings

1. For Bluetooth connection: download the Lumin+ App to your mobile device (Smartphone or tablet). Once registered, open the Lumin+ App and create a new project. Open the project and search for devices, select the appropriate device using the device name or code to connect via Bluetooth. The light will blink three times to show a successful Bluetooth connection. Via the project device list, select to control single or multiple devices. The Bluetooth icon will appear on the status bar after which you can set the internal lighting values. If the APP shows Bluetooth connection failure, please check to see that your mobile device is Bluetooth enabled or reset Bluetooth on the product and try to reconnect.

2. Bluetooth reset: press MENU key to enter the menu interface, rotate and press SET key to enter the Bluetooth reset, rotate SET key to select "Yes/No", press "Yes" for Bluetooth reset, press "No" to exit the Bluetooth reset page.



Icon display after successful Bluetooth connection



Bluetooth reset

Note:

1. Please reset the Bluetooth on the device first, otherwise the device will not be found.

2. The 80C and mobile device connection use Bluetooth BLE5.1 technology. Prior to opening the App to connect please ensure that Bluetooth has been enabled on your device. If using Android, you will need to enable Bluetooth on the APP also.

3. The Lumin+ App currently supports iOS 12.0 and above. It also supports mobile devices with Android 8.0 and above.

4. After connecting the device to the Lumin App via Bluetooth please ensure that, when prompted to make a firmware update, the battery power for all devices is sufficient to support the duration of the update.

APP Introduction

■ App Overview

The Lumin+ App has multi-light control, Preset and music mode. For additional modes please download the Lumin+ App or visit www.ifootagegear.com to access a detailed App user guide. To download the APP, please scan the QR code or search for Lumin+ App. For more information please visit www.ifootagegear.com after registering you can operate the product using the APP, however should you change to another mobile device, the product will be reset via Bluetooth, after which you can use the APP connection.



Lumin+
App QR Code



Official Website QR Code



■ Preset and sequences

Within the Lumin+ APP, you can adjust the preset settings which can then be added to any sequence. By setting a flashing sequence layout, cycle mode, fade time, duration, etc. you can then switch between scenes and control and play the lighting effects wirelessly.

■ Multi-light Control

Within the App's project device list, you can choose to add multiple lights to a project. By setting preset on each light you can create a multiple light sequence.

■ Music mode

Music mode has a variety of ambient colours that react and change according to the music.

■ Special Effects

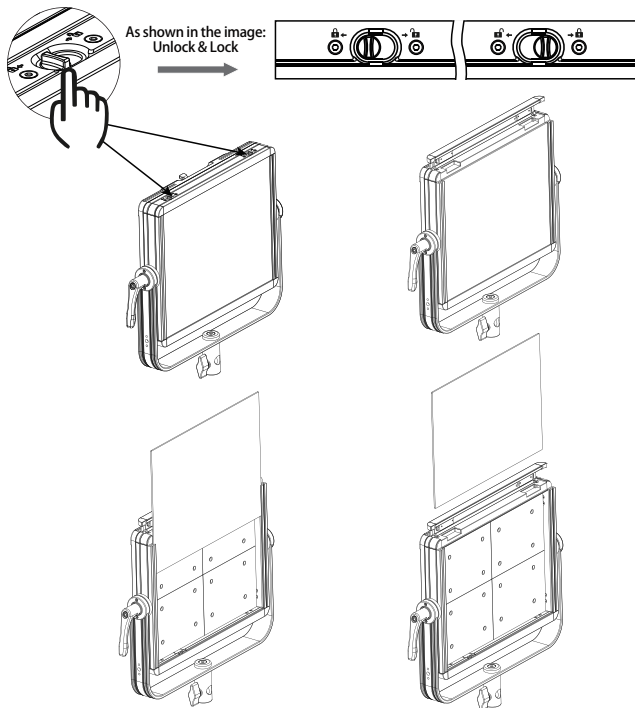
The Lumin+ APP has 19 internal effects, and more parameters can be set in the APP according to your lighting needs.

Accessory Installation

■ Soft-light panel installation and removal

When installing the soft-light panel, first, unlock the 'latch'. place the panel into the slot on the light and then lock the 'latch'. To remove the panel, unlock the latch and slide the panel upwards.

Note: Care should be taken when handling the soft light panels -keeping hands/fingers on the edge of the panel is recommended.

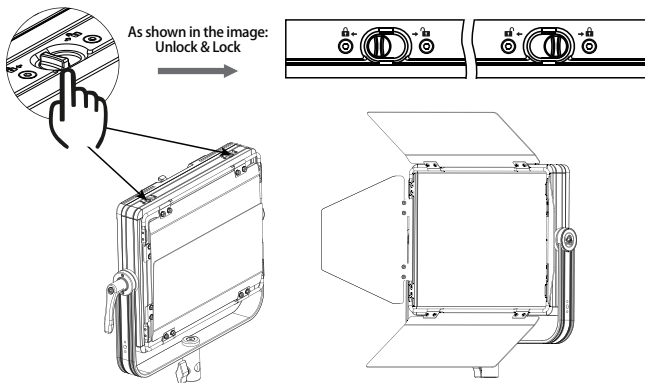


Accessory Installation

■ How to install and remove the barn doors

To install the barn doors, first unlock the 'latch', carefully slide the barn doors into the slot and then lock the 'latch'.

To remove the barn doors, unlock the "latch" first and then slide the barn doors upwards.



How to Use

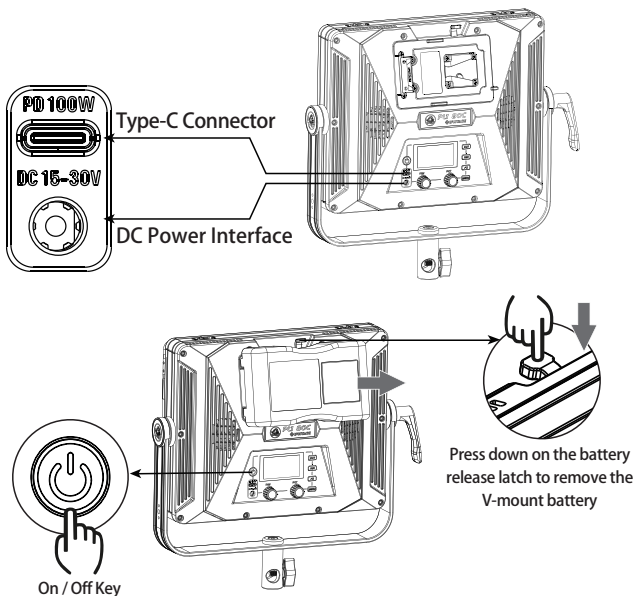
■ Power Connection

There are three power options: DC power, USB Type-C, and V-mount battery power.

When connecting the power supply, please note that the power supply voltage and frequency must match the voltage and frequency marked on the power adapter; when using V-mount batteries, please turn off the light before installing the batteries.

① When installing the battery, please do not use excessive force as this may damage the battery attachment mount.

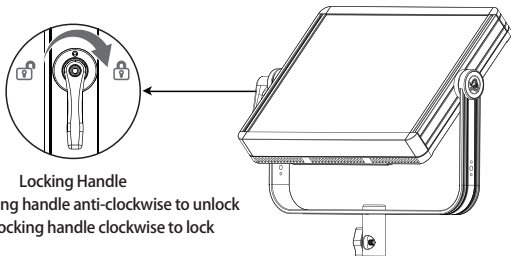
② When removing the battery, please press the battery lock button first to avoid damaging the battery mount.



How to Use

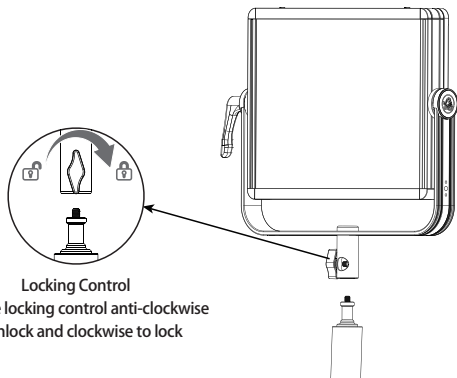
■ Adjustable angle

Adjust the angle of the light by rotating the locking handle.



■ Usage

Carefully place the light onto the light stand spigot ensuring it is fully inserted and then lock in place by turning the locking control clockwise.



Product Specifications

Product Name	LED Panel Light
Model	PL1 80C
Adapter voltage	AC 100V-240V~50/60Hz
Light body working voltage	DC 15-30V
Overall Power	100W
Light output power	80W
Materials	Aluminium alloy, stainless steel, PC
Panel Light Dimensions	351mm X 318mm X 71.5mm
Panel Light Weight	2.6kg
Adapter Size	145mm X 61mm X 31.3mm
Adapter Net Weight	0.465kg (with S-96W adapter holder)
Working Temperature	-15°C~45°C
SSI CIE-D55 *	75
SSI CIE-D32 *	87
IES TM-30 *	Rf95 Rg102
CQS *	96
CRI *	96
TLCI *	99
Colour temperature*	2700K~10000K
Brightness Range	0%~100%
100% Illuminance(5600K) *	≈7200 LUX (main lamp with TIR lens, distance 1 meter)
100% Illuminance (5600K)*	≈1950 LUX (with diffusion plate, distance 1 meter)
Control Method	Bluetooth APP control, manual button control
Wireless Frequency	2.4GHz
Bluetooth transmission distance	60 meters (no interference)
Display Type	LCD

*Note: The above data is based on iFootage Lab tests and there may be some variation in values with data marked with an asterisk *

List of items

PL1 80C main body, Power Adapter, 3m Power Cable, warranty card, manual, certificate of conformity.

Notes

1. In order to avoid equipment failure, please do not expose this product to moisture or use in wet or rainy, sandy or dusty environments.
2. Do not disassemble or modify the product. Mishandling, including dropping the product, may result in permanent damage.
3. Keep this product and its parts out of the reach of children and animals.
4. Please ensure that the product is always free from moisture and is stored safely. Water and other liquids may contain minerals that can corrode the internal electronic circuits.
5. Avoid using or placing the product in high temperature environments, including direct strong, sunlight, as this may shorten the life of electronic parts, damage the battery or distort plastic parts or casings.
6. Avoid using the product in very low temperature environments as internal condensation or water particles may damage electronic circuitry as the temperature rises.
7. Avoid using or storing the product in dirty or dusty environments as this may damage components.
8. Avoid placing the product on or near hot surfaces or sources of heat such as lit cigarettes, naked flames or heating systems.
9. Do not attempt to disassemble or repair the product.
10. Do not drop, knock or shake the product. Rough handling may damage the internal circuit board.
11. During use do not cover the light head with flammable materials.
12. To avoid burns, please do not handle the light if it is hot.
13. The PL1 80C is an RGBWW full-color adjustable panel light and does not have a low blue light sunlight spectrum. To protect your eyesight, it is important to avoid prolonged direct exposure to this light. Please refrain from looking directly at the light for extended periods to prevent potential damage to your eyes.

In contrast, the PL1 80BN is a panel light that has a low blue light sunlight spectrum. It serves as a healthy light source, offering relief from visual fatigue and reducing eye discomfort.

Maintenance

1. To prevent the accumulation of dust particles affecting the performance of the product, please carefully wipe the exterior of the product with a clean, soft, dry cloth at regular intervals.
2. The PL1 80C Panel Light is covered by a 3-year warranty from the date of original purchase.
3. Product damage or failure to operate caused by inappropriate or irregular operation is not covered by the warranty.
4. Unauthorized repair or attempting repair will make the warranty void and any authorised repair will then be subject to charges.
5. If the product fails to function or is subjected to water or moisture please ensure it is professionally examined and repaired prior to using it.
6. Always use a clean, dry soft cloth to clean the lens on the product. Do not use harmful chemicals, cleaning agents or liquids to clean the product.
7. In the unlikely event that the product is found to be faulty please contact our Customer Service team who will be happy to assist you: cs@ifootagegear.com.

Notes:

- * Please visit www.ifootagegear.com to access a detailed DMX operation guide.
- * The barn doors, light stand and V-Mount battery featured and referenced in this manual are not included with this product but can be purchased separately.

Statement

iFootage reserves the right to modify or correct all hardware and software specifications without prior notice. In the event of any discrepancy between the instruction manual and the actual product, please refer to the product itself. iFootage and its affiliates shall not be held liable for any direct, indirect, punitive, incidental, special, consequential, or property damage, or any harm to life resulting from the use or misuse of any iFootage product. The user assumes all risks associated with using this product, and this disclaimer does not affect your legal rights.



Lumin+ APP QR Code



Official Website QR Code

To download the Lumin+ APP, please scan the QR code or visit our website. For more information on operation modes please visit our website www.footagegear.com

Manufacturer's Information



IFOOTAGE INTERNATIONAL (HK) LIMITED

UK Design & Made in China

Origin: China

Website: www.footagegear.com

