

# User guide

# Profoto C1 Plus

For other languages visit:  
[www.profoto.com](http://www.profoto.com)





# **Congratulations on your new Profoto product!**

Light is the essence of the image because without light, there is no image.

The Profoto product you hold in your hand is the result of over half a century of experience and expertise. It has been meticulously designed not just to deliver light – but to deliver great light. Light that's natural and beautiful. Light that will help you grow and develop as an image creator. Light that will open up a world of creative possibilities.

Download the Profoto Camera, sign up to MyProfoto and register your product to discover how image creators like you from all over the world use their Profoto products to create beautiful images. How they use light to captivate, enthrall and inspire.

Enjoy your Profoto product!

Conny Dufgran, founder

# General safety instructions



## Safety Precautions!

Do not operate the equipment before studying the instruction manual and these safety instructions. Make sure that Profoto Safety Instructions is always accompanied the equipment! Profoto products are intended for indoor conditions use. Do not place or use the equipment where it can be exposed to moisture, extreme electromagnetic fields, or in areas with flammable gases or dust! Do not expose the equipment to dripping or splashing. Do not expose the equipment to hasty temperature changes in humid conditions as this could lead to condensation water in the unit. Equipment must only be serviced, modified or repaired by authorized and competent service personnel.

## NOTICE Note about RF!

This equipment makes use of the radio spectrum and emits radio frequency energy. Make sure the device is operated according to local regulations. The frequency spectrum this device is using is shared with other users. Interference cannot be ruled out. Due to varying regulations and limits on radio transmissions Profoto C1 Plus has a power output setting. Some countries does not allow use of the full power mode, please refer to your country specific section in the user guide to see the maximum allowed power setting allowed by national regulations. Please note that reducing the power output will affect the range of the device. Regulations change from time to time, so please make sure you are using the latest firmware and instructions to ensure compliance with rules and regulations. These can be downloaded free from profoto.com.



## Final Disposal

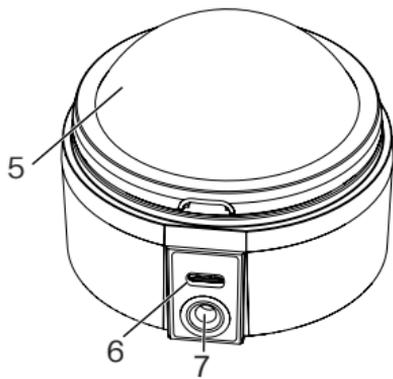
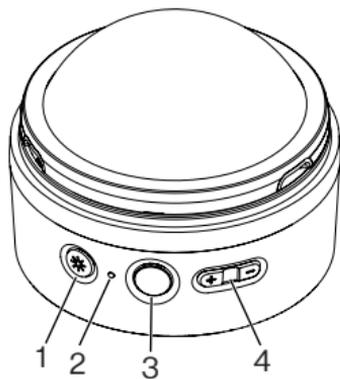
Equipment contains electrical and electronic components that could be harmful to the environment. Equipment may be returned to Profoto distributors free of charge for recycling according to WEEE. Follow local legal requirements for separate disposal of waste, for instance WEEE directive for electrical and electronic equipment on the European market, when product life has ended!

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## Getting started

Profoto C1 Plus is a studio light for smartphone and other cameras. Together with the Profoto Camera, it enables you to create amazing images anytime, anywhere. To get started, download the Profoto Camera where you usually find apps, and sign up to MyProfoto and register your product. Then you are ready to get creative, shape light and tell amazing stories through your images.



- |                            |                                 |
|----------------------------|---------------------------------|
| 1. Continuous light on/off | 5. Removable Clic Dome diffuser |
| 2. Status indicator        | 6. USB-C port                   |
| 3. Capture button          | 7. Thread for stand attachment  |
| 4. Power control           |                                 |

## How to operate Profoto C1 Plus

1. To turn on your Profoto C1 Plus, press and hold the capture button [3] until the status indicator [2] lights up.
2. To connect Profoto C1 Plus to the Profoto Camera, do the following:
  - a. Start the Profoto Camera on your smartphone.
  - b. Switch on Bluetooth on your smartphone.
  - c. In the Profoto Camera, find and connect to your Profoto C1 Plus via Bluetooth. The Bluetooth name includes the last four digits of the serial number (S/N), which is printed on the Profoto C1 Plus.
3. To create images with your smartphone using the Profoto Camera:
  - a. Press the Capture button [3] for a perfectly exposed subject popping from the background.
  - b. Use the Power buttons to fine-tune the light and shadows [4].
  - c. Follow the guidance in the Profoto Camera for additional features.
  - d. To turn on/off the continuous light, press the continuous light button [1].

4. To create images with a digital camera equipped with a Profoto Air Remote:
  - a. Turn on your Air Remote to Auto/TTL.
  - b. Use the Profoto Camera to select the same channel on the Profoto C1 Plus as on the Air remote.
  - c. Start creating images.
  - d. For additional features, follow the instructions in the Profoto Camera's Remote control. To gain full benefits from your products, also make sure to check the user guide for your Air Remote.
5. To turn off your Profoto C1 Plus, press and hold the Capture button [3].<sup>1</sup>
6. To charge the battery, connect a charger to the USB-C port [5].<sup>2</sup>
7. To update the Profoto C1 Plus firmware, follow the instructions in the Profoto Camera. Make sure to connect a charger to the Profoto C1 Plus USB-C port during update.

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1 Profoto C1 Plus automatically switches off after 30 minutes of inactivity if not connected to Profoto Camera.

2 Profoto C1 Plus can not be used while charging.

## Status indicator

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Blue	Connecting to the Profoto Camera via Bluetooth. Blinking: Bluetooth connection has ended.
White	Ready for operation.
Green	Battery is charged.
Yellow	Low battery/Battery is charging.
Red	Critically low battery.

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## Profoto Camera

When you have downloaded the Profoto Camera and registered to MyProfoto, make sure to register your product. Profoto Camera gives you all in one access to:

- **Camera**  
Create great images with your smartphone, anytime anywhere. Get creative, shape light and shadows, and tell amazing stories through your images.
- **Remote control**  
View and control all Profoto C1 Plus functions from your smartphone screen, when you use it with a digital camera.
- **Tutorials**  
Watch tutorials to get inspiration and learn techniques to take your image creation to the next level.
- **Easy updates**  
Always have the latest Profoto C1 Plus firmware updates available at your fingertips.

Check smartphone operating system and model compatibility on the Profoto Camera product page.

## Profoto Air compatibility

When you use your Profoto C1 Plus with a digital camera equipped with a Profoto Air Remote, you will have access to the following features depending on which version of Air Remote you use.

Optional Profoto Air transmitters	Usable features in combination with Profoto C1 Plus			
	Flash sync	Remote control	TTL	High-Speed Sync
Air Remotes with AirTTL	X	X	X	X
Air Remote	X	X		
Air Sync	X			

## Technical data

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### Flash

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Max output	4300 lm
Max illuminance@1m	1700 lx
Color temperature range	Adjustable 3000K-6500K (±200K)
Flash light CRI (Color rendering index)	90-98
Flash recycle time	1s at full power

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### Continuous light

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Max output	280 lm
Max illuminance@1m	100 lx
Color temperature range	Adjustable 3000K-6500K (±200K)
Continuous light CRI (Color rendering index)	90-98

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**Battery**

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Battery type	Li-Polymer
Battery capacity	1500 mAh
Battery time	Typically more than 2000 full power flashes or more than 40 minutes max continuous light
Battery charging time (fast charge 800mA)	2 h

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**Connectivity**

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Profoto Camera	Yes, via Bluetooth
Profoto Air	Yes, AirTTL receiver built-in. Transmitters sold separately.

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## Radio Frequency Specifications

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Profoto Air 2.4 GHz

Frequency Band 2.4 GHz (2404 to 2479.3 MHz)

No. of frequency channels 20 (Ch.1 to Ch.20)

Radio Power Output Maximum <19.9 dBm<sup>3</sup>

Range Up to 300m (1000ft) for normal triggering.<sup>4</sup>

Up to 100m (328ft) for remote control and TTL.

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<sup>3</sup> Output power varies with setting in Profoto Camera.

<sup>4</sup> Actual range will vary due to site layout, surrounding materials and other radio transmissions.

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## **Bluetooth Low Energy Technology**

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Frequency Band	2.4 GHz (2404 to 2479.3 MHz)
No. of frequency channels	40
Radio Power Output	Maximum 8 dBm

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## **Miscellaneous**

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Firmware update	Via Bluetooth from Profoto Camera
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## **Measurements**

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Diameter	79 mm
Height	37 mm (64 mm with dome)
Weight	176 g (208 g with dome)

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All technical data are to be considered as nominal and Profoto reserves the right make changes without further notice.

## **Warranty**

The Warranty can be downloaded from the product page at [www.profoto.com](http://www.profoto.com).

## Regulatory information

### World-wide Usage of Radio Spectrum

The Profoto Air and Bluetooth systems operate on the license-free 2.4GHz ISM band for SRD (Short Range Devices). This band may be used in most parts of the world. Regional restrictions may apply.

**Note:**

Refer to national regulations for the region where the Profoto C1 Plus shall be operated and make sure that they are followed.

### EU Declaration of Conformity

Hereby, Profoto AB declares that the radio equipment type Profoto C1 Plus is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://profoto.com/int/support/declaration-of-conformity>

### RF Power

In order to remain compliant with national regulations and restrictions, please use the following RF POWER settings while operating your Profoto C1 Plus in these countries. Please note that these are subject to change and you may find updated information available for download at Profoto.com.

<b>COUNTRY</b>	<b>CHANNEL</b>	<b>RF POWER</b>
USA/Canada	CH1-7,9 - 20	P1
USA/Canada	CH 8	P4
EU (and EES)	CH1-20	P4
South Korea	CH1-20	P5
China, Taiwan	CH1-20	P3

The RF POWER setting in Profoto C1 Plus is changed via the Profoto Camera.

## **Unites States and Canada**

### **FCC Suppliers Declaration of Conformity (SDoC)**

#### **Profoto AB**

Transmitter / Receiver

MODEL: Profoto C1 Plus

PRODUCT NO: PCA1473-0000

Contains FCC ID: QOQBGM12LMA, W4G-RMIX  
and IC: 5123A-BGM12LMA, 8167A-RMIX

Designed in Sweden. Manufactured in Thailand.

### **Responsible Party - U.S. Contact Information**

#### **Profoto US**

Profoto US

220 Park Ave

Suite 120

Florham Park NJ 07932

+1973-822-1300

us-info@profoto.com

## F.C.C.and Industry Canada

Compliance Statement (Part 15.19) This device complies with Part 15 of FCC rules and RSS-210 of Industry Canada.

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.

The term 'IC' before the certification/registration number only signifies that the Industry Canada technical specifications were met. Ce dispositif est conforme aux normes RSS-210 d'Industrie Canada. L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes :

1. il ne doit pas produire de brouillage et
2. l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

Les lettres 'IC' n'ont aucune autre signification ni aucun autre but que d'identifier ce qui suit comme le numéro de certification/ d'enregistrement d'Industrie Canada.

## **Warning (Part 15.21)**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **FCC Radio Frequency Exposure**

**WARNING:** The Profoto C1 Plus device radiates radio frequency energy at a level below the United States FCC radio frequency exposure limits. Nevertheless, this device should be used in such a manner that the potential for human contact during normal operation is minimized. For hand held operation, this device has been tested and meets FCC RF exposure guidelines when the device is positioned a minimum of 1.0 cm from the body.

## **ICRF Exposure limits**

The Profoto C1 Plus device complies with the IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. For hand held operation, this device has been tested and meets IC RF exposure limits when the device is positioned a minimum of 1.0 cm from the body.

## Limites d'exposition RF IC

Le dispositif Profoto C1 est conforme aux limites sur l'exposition aux rayonnements IC RSS-102 définies pour un environnement non contrôlé. En mode manuel, ce dispositif a été testé et respecte les limites d'exposition IC RF lorsque ce dernier est placé à au moins 1 cm du corps.

## South Korea

해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음.

## Taiwan

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不

得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干

擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須

忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

## Japan

The module has been granted modular approval for sale and operation in Japan.

特定無線設備の種類

Classification of specified radio equipment:

Article 2, Clause 1, Item 19

## 24

### 2.4 GHz Wide Band Low Power Data Communication

上記のとおり、電波法第38条の24第1項の規定に基づく認証を行ったものであることを証する。

This is to certify that the above-mentioned certification by type has been granted in accordance with the provisions of Article 38-24, Paragraph 1 of the Radio Law.



202-SMH030  
R209-J00226

## **Credit**

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Technical data and product information are  
subject to change without notice.

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