

# User guide

## Profoto C1

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 app, 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.



## Final Disposal

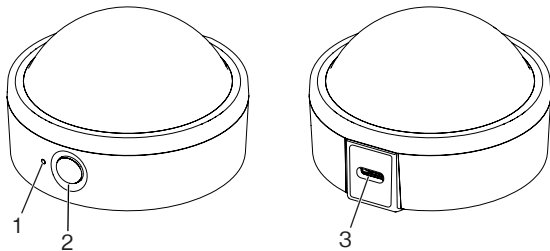
Equipment contains electrical and electronic components that could be harmful to the environment. Equipment may be returned to Profoto distributors free of charge for recycling according to WEEE. Follow local legal requirements for separate disposal of waste, for instance WEEE directive for electrical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

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## Getting started

Profoto C1 is a smartphone studio light. Together with the Profoto app, it enables you to create amazing images anytime, anywhere. To get started, download the Profoto app 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. Status Indicator
2. Capture button
3. USB-C port

## How to operate Profoto C1

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

4. Press the capture button [2] to turn on continuous light if the Profoto app and Profoto C1 are not connected.
5. To turn off your Profoto C1, press and hold the capture button for two seconds [2].<sup>1</sup>
6. To charge the battery, connect a charger to the USB-C port [3].<sup>2</sup>
7. To update the Profoto C1 firmware, follow the instructions in the Profoto app. Make sure to connect a charger to the Profoto C1 USB-C port during update.

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

2 Profoto C1 can not be used while charging.



## Status indicator

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Blue	Connecting to the Profoto app 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 app

When you have downloaded the Profoto app and registered to MyProfoto, make sure to register your product. The Profoto app 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.
- 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 firmware updates available at your fingertips.

The Profoto app is compatible with Apple iPhone 7 and later.

## Technical data

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### Flash light

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Max output	1600 lm
Max illuminance @ 1m	800 lx
Color temperature range	Adjustable 3000K – 6500K (±200K)
Flash light CRI (Color rendering index)	90 – 98
Flash recycle time	0,5 s at full power

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### Continuous light

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Max output	280 lm
Max illuminance @ 1m	140 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 30 minutes max continuous light.
Battery charging time (fast charge 800mA)	2 h

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## Connectivity

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Profoto app	Yes, via Bluetooth
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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 Profoto app
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**Measurements**

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Diameter	74 mm
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Height	49 mm
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Weight	120 g
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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 system operates 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 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 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>

### **Unites States and Canada**

#### **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.



## 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 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.

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.

## **ICRF Exposure limits**

The term 'IC' before the certification/registration number only signifies that the Industry Canada technical specifications were met.

The Profoto C1 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 ICRF exposure limits when the device is positioned a minimum of 1.0 cm from the body.

## **Limites d'exposition RF IC**

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.

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.

**ProfotoAB**

Transmitter / Receiver

MODEL: Profoto C1

PRODUCT NO: PCA1455-0000

FCC ID: QOQBGM12LMA

IC: 5123A-BGM12LMA

Designed in Sweden. Manufactured in Thailand.

## 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

## 20

### 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.



R209-J00226

## South Korea

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

## Taiwan

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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。

## Credit

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

January 2019.

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