

# User guide

# Profoto Connect

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.

Sign up to MyProfoto or visit [www.profoto.com/profoto-stories](http://www.profoto.com/profoto-stories), 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.

## Note about RF!

NOTICE

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 Connect has a power output setting. Some countries does not allow use of the full power mode PO, 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**

When the product reach end of service, do not dispose of it with your other household waste. Equipment contains battery, electrical and electronic components that could be harmful to the environment. Equipment may be returned to Profoto distributors free of charge for recycling. Follow local legislation for disposal of batteries, electrical and electronic components, respectively.



# Table of Contents

General safety instructions.....	4
About the product .....	7
Getting started.....	8
Profoto app .....	12
Profoto Air compatibility .....	14
Technical data.....	16
Warranty.....	19
Regulatory information .....	20

## About the product

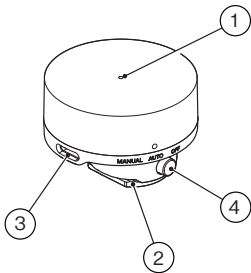
Profoto Connect is our very first button-free trigger and has been created specifically for you, the aspiring image creator that wants to find new ways to be creative with photography. Because now, you can create natural-looking light anytime, anywhere.

This small and carefully designed pod allows you to trigger your lights from the top of your camera with just three settings; off, auto and manual.

This is the power of simplicity. This is the freedom to create. This is you allowing your imagination to run wild. Because the truth is, created light can be every bit as beautiful as natural light, and just as easy to work with.

This is you being free to create.

## Getting started



- |    |                    |    |                |
|----|--------------------|----|----------------|
| 1. | Status indicator   | 3. | USB-C port     |
| 2. | Hot shoe connector | 4. | Release button |



## **How to connect the Profoto Connect with the Profoto app**

1. Start the Profoto app on your smartphone.
2. Find and connect to your device via Bluetooth. The name includes a part of the serial number that is printed on the Profoto Connect.
3. Use the Profoto app for instructions, inspiration and expanded creative tools.
4. Start shooting!

## **How to use Profoto Connect in Auto mode**

1. Attach the Profoto Connect to the camera's hot shoe and turn it to AUTO (automatic mode). A good flash power will now be set for you automatically.
2. Start shooting!
3. You can make your images brighter or darker by fine-tuning the automatic flash power in the Profoto app.

## How to use Profoto Connect in Manual mode

1. Attach the Profoto Connect to the camera's hot shoe and turn it to MANUAL (manual mode). You can now control the flash power manually.
2. Open the Profoto app to get access to all additional features.
3. Start shooting!

### Additional notes

- To detach the Profoto Connect from your camera, press the release button and slide it off.
- To charge the battery, connect the device to a power source with the USB-C to USB-A charging cable.
- The default radio setting for Profoto Connect is channel = 1.
- Profoto Connect automatically enters sleep mode after 30 minutes of inactivity and switches off completely after 60 minutes.

## Status indicator

---

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.

---

## Profoto app

Use the Profoto app for additional remote control features and easy upgrades:

- **Auto offset:** When Profoto Connect is in automatic mode, you can add an offset to the default energy output to make all images a little brighter or a little darker.
- **Energy:** When Profoto Connect is in manual mode, increase or decrease the energy output of your flash.
- **Sync selection (if supported by your camera):** Switch from 1st sync to 2nd sync if you want the flash to fire at the end of the image exposure.
- **Easy upgrade:** Upgrade your product wirelessly to benefit from our continuous product improvements.

- Channel selection: If another photographer is using the same channel, you have 7 other channels to choose from so that your products don't interfere with each other.
- Radio power output: Adjust the radio power output to remain compliant with national regulations and restrictions.

## Profoto Air compatibility

- Profoto Connect-C is designed for Canon cameras using Canon's E-TTL II metering system.
- Profoto Connect-N is designed for Nikon cameras using Nikon's i-TTL metering system.
- Profoto Connect -S is designed for Sony cameras using Sony's TTL II metering system.
- Profoto Connect -F is designed for Fuji cameras using Fuji's TTL metering system.
- Profoto Connect-O is designed for Olympus cameras using Olympus' TTL metering system.
- Some camera models may not be supported or have limited functionality. See [profoto.com](http://profoto.com) for the latest information on camera compatibility.
- Profoto Connect can also be used to trigger the Air Remote and Air Sync Profoto Air transceivers.

- Profoto Connect is not compatible with any third-party radio triggering systems, speed lights or non-Profoto flashes.
- Profoto Connect operates with Profoto flash units and generators, with built-in Profoto Air functionality according to the table below.

Air labeling on Profoto flash	Enabled features on Profoto Connect			
	Manual sync	Remote control	TTL	HSS
AirTTL	X	X	X	X
Air	X	X		
AirS	X			

## Technical data

---

### Synchronization and Control

---

Smartphone control	Yes, via Bluetooth through Profoto app
Profoto AirTTL	Yes, built-in AirTTL receiver and transmitter
Operation modes	Auto/Manual
Auto power off	Yes, after 60 minutes of inactivity

---

### Radio Frequency Specifications

---

#### Profoto Air 2.4 GHz

Frequency Band	2.4 GHz (2404 to 2479.3 MHz)
No. of frequency channels	8 (Ch. 1 to Ch. 8)



Radio Power Output	Maximum <19.9 dBm <sup>1</sup>
Range	Up to 300m (1000 ft) (free line of sight in open space) <sup>2</sup>

#### Bluetooth Low Energy Technology

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

---

1. Output power varies with setting in the Profoto app.
2. Actual range will vary due to site layout, surrounding materials and other radio transmissions.

---

**Battery**

---

Battery type	Li-Polymer
Typical battery lifetime	> 30 hours (depending on usage)

---

**Miscellaneous**

---

Firmware update	Via Bluetooth from Profoto app
-----------------	--------------------------------

---

**Measurements**

---

Diameter	45 mm
Height	29 mm
Weight	43 g

---

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 Connect shall be operated and make sure that they are followed.

### **EU Declaration of Conformity**

Hereby, Profoto AB declares that the radio equipment type Profoto Connect 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 Connect 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>RFPOWER</b>
USA/Canada	CH1-8	P1
USA/Canada	CH 8	P4
EU (and EES)	CH1-8	P1
South Korea	CH1-8	P5
China,Taiwan	CH1-8	P5

The RF POWER setting in Profoto Connect is changed via the Profoto app.

## **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 Connect 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. For on camera mounted operation, this device has been tested and meets FCC RF exposure guidelines when the device is positioned a minimum of 2.0 cm from the head.

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 Connect 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. For on camera mounted operation, this device has been tested and meets IC RF exposure limits when the device is positioned a minimum of 2.0 cm from the head.

### **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 Connect 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. Pour un fonctionnement sur caméra, ce dispositif a été testé et respecte les limites d'exposition RF IC lorsque ce dernier est positionné à au moins 2 cm de la tête.

## **ProfotoAB**

Transmitter / Receiver

MODEL: Profoto Connect

PRODUCT NO: PCA5459-0000/PCA5465-0000/  
PCA5478-0000/PCA5479-0000/PCA5480-0000

FCC ID: W4G-RMI6, QOQBGM12LMA

IC: 8167A-RMI6, 5123A-BGM12LMA

Made in Sweden

## 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

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.



R202-LSF011  
R209-J00226

## 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。

## Credit

Apple iPhone is a trademark of Apple Inc., registered in the U.S. and other countries.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Profoto is under license.

Other trademarks and trade names are those of their respective owners.

The Heatshrink library is copyright 2013-2015, Scott Vokes <[vokes.s@gmail.com](mailto:vokes.s@gmail.com)>. Complete license text can be found at [Profoto.com](http://Profoto.com).

The Frozen library is copyright (c) 2016, QuarksLab. Complete license text can be found at [Profoto.com](http://Profoto.com).







Profoto AB  
Sweden

+46 (0) 8 447 53 00  
info@profoto.com  
www.profoto.com



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

104550, October 2018, Printed in Sweden.