

User guide

Air USB

For other languages visit:
www.profoto.com/support

 **Profoto**

Congratulations on your new Profoto product!

Regardless if you chose a new flash or a new light-shaping tool, know that almost half a century's worth of experience was put into its making.

If the years have taught us one thing, it is to never neglect a single detail. We only put our name on a product in which we have the fullest confidence. Before shipping, every one of our products pass an extensive and strict testing program. Unless it complies with the specified performance, quality and safety, it is a no-go.

As a result, we are confident that your new Profoto product will stay with you for years and help you grow as a photographer.

But getting the product is only the beginning of that journey. Using it for light shaping is the real adventure. That is why we take pride in providing you with such a wide assortment of light-shaping tools, allowing you to shape the light in any way you can imagine.

The almost infinite possibilities might seem bewildering at first, but we're certain you will soon get the hang of it.

I encourage you to sign up for our newsletter or visit Profoto stories, www.profoto.com/profoto-stories, to learn more about shaping light from photographers who are sharing their stories about how Profoto Light Shaping Tools help them create outstanding images.

Enjoy your Profoto product!

Conny Dufgran, founder

General safety instructions



SAFETY PRECAUTIONS!

Do not operate the equipment before studying the instruction manual and the accompanying safety information. Make sure that Profoto Safety Instructions always accompany the equipment! Profoto products are intended for professional use! Generators, lamp heads and accessories are intended for indoor photographic use only. 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 place any objects filled with liquids, such as vases, on or near the equipment. Do not expose the equipment to rapid temperature changes in humid conditions as this could lead to condensation water in the unit. Do not connect this equipment to flash equipment from other brands. Do not use flash heads without supplied protective glass covers or protective grids. Glass covers must be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches. Lamps must be changed if they are damaged or thermally deformed. When placing a lamp into the holder ensure not to touch the bulb with bare hands. Equipment must only be serviced, modified or repaired by authorized and competent service personnel! Warning - The terminals marked with the flash symbol are hazardous when live.



WARNING - Electrical Shock - High Voltage!

Mains powered generators shall always be connected to a mains socket outlet with a protective earthing connection! Only use Profoto extension cables! Do not open or disassemble generators or lamp heads! Equipment operates with high voltage. Generator capacitors are electrically charged for a considerable length of time after being turned off. Do not touch modeling lamps or flash tubes when mounting an umbrella metal shaft in its reflector hole. Disconnect the lamp head cable between the generator and lamp head when changing the modeling lamp or flash tube! The mains plug or appliance coupler is used as disconnect device. The disconnect device shall remain readily operable. Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as direct sunlight, fire, or the like.



Caution - Burn Hazard - Hot Parts!

Do not touch hot parts with bare fingers! Modeling lamps, flash tubes and certain metal parts emit strong heat when used! Do not point modeling lamps or flash tubes too close to people. All lamps may on rare occasions explode and throw out hot particles! Make sure that the rated voltage for the modeling lamp corresponds with the technical data in the user guide regarding the power supply!

NOTICE

NOTICE - Equipment Overheating Risk

Remove transport cap from lamp head before use! Do not obstruct ventilation by placing filters, diffusing materials, etc. over inlets and outlets of the equipment ventilation or directly over glass covers, modeling lamps or flash tubes!

Note about RF!

This equipment makes use of the radio spectrum and emits radio frequency energy. Proper care should be taken when the device is integrated in systems. Make sure that all specifications within this document are followed, especially those concerning operating temperature and supply voltage range. 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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About Profoto Air USB

Control the shoot wirelessly from your laptop! The Profoto Air USB dongle is all you need to take wireless control of your Profoto Air flashes from your Mac or PC. Profoto Air USB is the perfect match for Profoto Studio 3.

- Plugs into any MAC or PC with a USB “Type A” connection.
- Provides wireless operation with the latest versions of Profoto Studio 3.
- Open frequency band (2.4 GHz), approved for worldwide use.
- Operating range of up to 100 m / 330 ft.
- Small and easy to use.

About Profoto Studio 3

Profoto Studio 3 is a simple yet powerful software tool that allows you to control your Profoto lighting equipment directly from the desktop of your computer. Go to www.profoto.com to read more about the features and find out which Profoto flashes that are supported. Here you can also download the latest versions for MAC and PC free of charge.

General notes on wireless operation with Profoto Air

The Profoto Air USB channels [1-8] use eight specific frequencies in the 2.4 GHz band and have an operating range of up to 100 meters (330 ft). The frequencies are evenly distributed over the entire frequency band. Since each channel uses a different radio frequency, it maximizes the possibility to find a channel not interfered by other photographers using Profoto Air, WLAN/Bluetooth devices or other radio equipment operating on the 2.4 GHz frequency band. To ensure best wireless performance follow these simple guidelines:

- Keep cables and cords away from antennas (The antenna is built into the Profoto Air USB dongle. Use the supplied extension cable to ensure a free dongle position).
- Make sure there is at least 1 meter (3.3 feet) distance between the closest flash and the Air USB.
- Maintain line of sight between the Profoto Air USB and the flashes whenever possible.
- When hiding the flash from view, try to not hide it behind or against metal or water-filled objects as this will affect the radio range.

Technical data

Profoto Air USB

Specifications	
Frequency band	2.4 GHz
Separate radio channels	8
Range	Up to 100 m (330 ft)
Antenna type	Integrated
Computer connection	USB 2.0 Type A plug
Measurements	
Dimensions	70 x 20 x 22 mm (2.7 x 0.8 x 0.8 in)
Weight	20 g (0.7 oz)

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

Regulatory information

World-wide Usage of Radio Spectrum

The Profoto Air USB 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 Air USB shall be operated and make sure that they are followed.

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.

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.

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

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.

Profoto AB

Transmitter / Receiver

MODEL: Profoto Air USB 2.4 GHz

Type: PCA5105-0000

FCC ID: W4G-RMI

IC: 8167A-RMI

Product of 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.



R 202WW08109202

R 202WW08109203

R 202WW08109204

Taiwan

The device has been approved by NCC

注意! 依據低功率電波輻射性電機管理辦法 第十二條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。

第十四條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, 指依電信規定作業之無線電信。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。

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 **Profoto**

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

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