

Pro-B MainsDock

User's Guide

Thank you for choosing Profoto

Thanks for showing us your confidence by investing in a Pro-B MainsDock unit. For more than four decades we have sought the perfect light. What pushes us is our conviction that we can offer even yet better tools for the most demanding photographers. Before our products are shipped we have them pass an extensive and strict testing program. We check that each individual product comply with specified performance, quality and safety. For this reason our flash equipment is widely used in rental studios and rental houses worldwide, from Paris, London, Milan, New York, Tokyo to Cape Town.

Some photographers can tell just from seeing a picture, if Profoto equipment has been used.

Professional photographers around the world have come to value Profoto's expertise in lighting and light-shaping. Our extensive range of Light Shaping Tools offers photographers unlimited possibilities for creating and adjusting their own light.

Every single reflector and accessory creates its special light and the unique Profoto focusing system offers you the possibility to create your own light with only a few different reflectors.

Enjoy your Profoto product!

Safety instructions



SAFETY PRECAUTIONS!

Read and follow all safety instructions below carefully to avoid injuries or damages! Make sure that this user guide always accompanies equipment! Profoto products are intended for professional use – keep away from children! Do not place or use the equipment in damp or wet environments. Do not place or use the equipment in areas with flammable gases or dust! Do not use in explosive environments. Do not expose the equipment to dripping or splashing. Do not place objects filled with liquids on the equipment. Do not store the generator close or below the freezing point, which can lead to loss of capacity and risk of condensation when used in a warmer surrounding immediately. Equipment must only be serviced or repaired by authorised and competent service personnel! Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Only approved / supplied power cord may be used.



WARNING – Electrical Shock – High Voltage!

Do not open or disassemble the device. Equipment operates with high voltage. Internal capacitors will be electrically charged for a considerable time after device has been turned off.

NOTICE

NOTICE – Equipment Overheating Risk

Do not obstruct ventilation. Do not expose the device to a heat source (such as direct sunlight). In this way additional heating of the device is avoided.



Final Disposal

Equipment contains electrical and electronic components that are harmful to the environment. Equipment may be returned to Profoto distributors free of charge for recycling according to WEEE. Do not throw away the packaging material. Ask your local authority for the location of a recycling centre close to you. 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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System description

The Pro-B MainsDock is a power supply unit.

The Pro-B MainsDock unit is used to power battery flash generators from AC mains power instead of the battery. Since the operation of the generator is not limited by the battery capacity, long time usage and continuous¹ modeling light are made possible with the Pro-B MainsDock.

The Pro-B MainsDock is compatible with the following Profoto generators:

- Pro-7b
- Pro-B2 EOP² – update needed
- Pro-B3 serial no above 1104180060

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ATTENTION!

Pro-B3 (below serial number 1104180060) and the discontinued

Pro-B2 generators need the EOP² – update to work properly with the Pro-B Mainsdock.

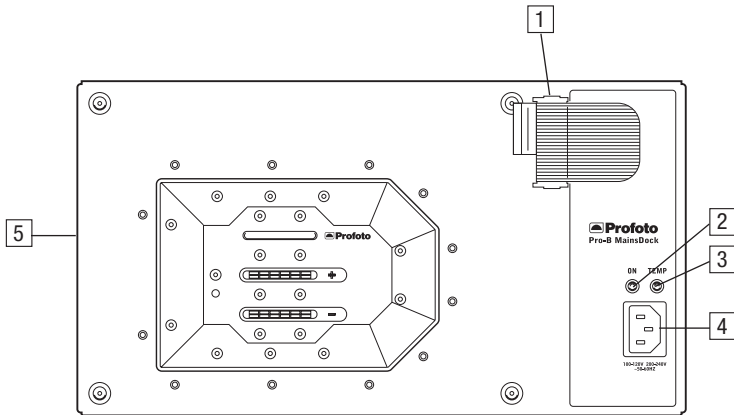
Please get in contact with your local distributor or service station for further information.

We do not recommend using the Pro-B Mainsdock with generators that are not updated because some components may overheat!

1 Not applicable to Pro-7b

2 EOP stands for “Extended Overheat Protection”.

Nomenclature



1. Locking Bracket
2. Power On Indicator
3. Over Temperature Indicator
4. Power supply (AC) Connector
5. Air Vent (not visible in figure)

Functionality

Power supply

The Pro-B MainsDock unit can be connected to 90-130VAC or 180-240VAC, 50-60 Hz. The unit automatically senses and adapts to the voltage and frequency supplied.

When the Pro-B MainsDock is connected to AC mains power, the Power On Indicator [2] has a steady green light.

Over temperature protection

The Pro-B MainsDock unit is equipped with a fan to prevent overheating of the generator. The fan operates whenever the generator is running under load, for example during recycling. It is fully normal that the fan goes on and off. Do not block the Air Vent [5].

Should the temperature inside the generator become too high, the Pro-B MainsDock unit will automatically be turned off and the Over Temperature Indicator [3] will have a steady red light. When the temperature has decreased, the Pro-B MainsDock unit will automatically be turned on again.

Locking Bracket

The Locking Bracket [1] locks the generator in place on the Pro-B MainsDock unit, using magnetism. When locked in place, both the generator and the Pro-B MainsDock unit can be carried by the handle of the generator.

Generator features

The Pro-B MainsDock unit has some impact on the features of the flash generator.

Battery Indicator

When the generator is powered from the Pro-B MainsDock unit, the Battery Indicator on the generator will always have a steady red light. This is fully normal. The reason is that the Pro-B MainsDock unit operates on a slightly lower voltage level than the battery.

Recycling time

The recycling time of the generator is generally longer when used with the Pro-B MainsDock, compared to when the generator is powered from the battery. The recycling time depends on the energy setting, as specified in section *Technical data*.

Modeling light

When the generator is powered from the Pro-B MainsDock unit, the modeling light can be continuously on. (Not applicable to Pro-7b generators, which automatically turn off the modeling light after maximum 60 seconds.)

Pro B Heads may become overheated if continuously on, and automatically turns off if overheated. For continuous light, Pro Heads are recommended instead.

Charger

When the generator is powered from the Pro-B MainsDock unit, no charger shall be connected to the generator.

Operating instructions

Mount generator

1. Remove the battery from the generator.
2. Fit the generator in place on the Pro-B MainsDock.
3. Ensure that the Locking Bracket [1] locks the generator in place.
4. Connect the power cable to the Pro-B MainsDock and to AC mains power. The Power On Indicator [2] will be green, indicating that mains power is connected.

Dismount generator

1. Disconnect the Pro-B MainsDock from AC mains power.
2. The Power On Indicator [2] will remain green for a few seconds.
3. Press down the Locking Bracket [1] and remove the generator.

Trouble shooting

Symptom	Diagnose	Action
The Power On Indicator [2] is not illuminated.	Bad cable connection.	Check that the AC mains cable is correctly connected.
The Over Temperature Indicator [3] has a red light and the generator is turned off.	The Pro-B MainsDock has automatically turned off the generator to protect it from overheating.	Wait until the temperature decreases. The Pro-B MainsDock will automatically turn on the generator when the temperature is low enough. Reduce the loading and ensure better ventilation.
The Battery Indicator on the generator has a red light.	This is fully normal and not an error indication.	

Technical data

	Dimensions (L x W x H)	333 x 183 x 200
	Weight	3,2 kg
	Input power supply	100-240V +-10 %, 50/60 Hz
	Fan cooled	Yes
	Overheat indicator	Yes
12	Storage temperature range	-40 ~ +85 °C, 10 ~ 95 % RH
	Operating temperature range	-20 ~ +50 °C, 20 ~ 90 % RH, non-condensing
	Recycling times, Pro-7b	3,3s (0,3fps) @ 1200Ws FAST 5,2s (0,19fsp) @ 1200Ws NORMAL 120ms (8,3fps) @ 18Ws FAST 180ms (5,5fps) @ 18Ws NORMAL
	Recycling times, Pro-B2 and Pro-B3	2.8s (0,36fps) @ 1200Ws FAST 4.9s (0,2fps) @ 1200Ws NORMAL 50ms (20fps) @ 9.4Ws FAST 66ms (15fps) @ 9.4Ws NORMAL

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

Warranty

All Profoto products are individually tested before they leave the company and guaranteed for a period of two years with the exception of flash tubes, glass covers, modeling lamps, batteries and cables. Profoto is not responsible for technical malfunctions created by improper use or accessories made by other companies. If you have any technical problems please get in contact with an authorized Profoto service station. The Warranty is subject to and shall be interpreted in accordance with the law of the country where the product is purchased.

Regulatory information

EC Declaration of conformity

In accordance with Low Voltage Directive (LVD) 2006/95/EC and EMC Directive 2004/108/EC.

Manufacturer: Profoto AB
Address: Box 2021, 128 21 SKARPNÄCK, Sweden
Product: Mains docking Station for Profoto Flash Generators; Pro-7b,
Pro-B2 and Pro-B3
Type: Profoto Pro-B MainsDock

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Profoto declared that the product complies with the essential requirements of Low Voltage Directive (LVD) 2006/95/EC and EMC Directive 2004/108/EC.

For the evaluation of compliance, applicable parts of the following standards has been applied:

IEC 60950-1
IEC 60065:2001 + A1:2005
EN 60065:2002
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11

Skarpnäck, November 2010



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Profoto AB

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

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