

D1 Air

# Profoto



# D1 Air

## The new Profoto compact

Professional photographers today need durable, tough, fast and consistent flash units suited for digital photography and demanding assignments. Profoto is well known as the world leader in electronic flash technology. Our 40 years of experience in developing state-of-the-art flash units is built in to the design of the the new D1 Air.

The Profoto D1 Air is available in 250, 500 and 1000 Ws versions.

The Profoto D1 Air is fully digital, not just on the display panel, but in the flash output control circuitry as well. This to ensure a consistency in flash-to-flash color temperature and flash energy. The dual mode SMPS capacitor charging technology ensures the flash-to-flash precision which is essential for today's photographer.

The 7 f-stop power range gives all the power the demanding photographer needs for creative freedom, to shoot with high speed and full open lens.

The D1 Air series is designed from our philosophy of look, listen and touch. Controls are easy to use, freeing your mind, eyes and hands, so you can focus on the image you are creating.

The unique built-in reflector gives you full control and minimizes stray light. It is designed for use with softboxes and umbrellas and for use with or without additional reflectors.

Short flash duration gives images a crisp feel and the fast recycling time means that you never have to wait for the flash. You will always get the image quality you want. All this in a package that offers 1/10 f-stop control, giving you the confidence that the images will be exactly as you want them.

The new Profoto Air system enables you to remote control and trigger your flash from as much as 300 meters (1000ft) and replaces the sync cable. Connect the D1 to the new Profoto Air USB, for PC and Mac and gain full control of your entire studio flash system via wireless communication.

As a professional photographer, you have your own special style and needs. Profoto's extensive Light Shaping Tools system fits perfectly with the new D1 Air, enabling you to shape the light your own way. To achieve the image you want.



# D1 Air

## Super performance in a small package

You're in control with the D1 Air. Convenience and digital precision in a handy format.

- Compact and lightweight
- Built in reflector gives you full control, minimizes stray light and maximizes the light output. It is designed for use with softboxes and umbrellas and for use with or without additional reflectors. Optional grids and clear glass plate gives you further control. The frosted glass plate and the built in reflector protects the flash tube and modelling lamp which makes the D1 easy to transport
- Use the the full range of Profoto light shaping tools system
- The 7 f-stop power range gives all the power the demanding photographer needs for creative freedom, to shoot with high speed and wide open lenses. Controlled in 1/10 f-stop precise and repeatable increments.
- Built-in microprocessors ensure the output consistency  $\pm 0.05$  f-stop and  $\pm 30$  °K flash to flash
- Short recycling times to keep up with the active objects so you never have to wait for the flash
- Short flash duration to stop action
- Multivoltage. Plug in anywhere in the world and no need to change modelling lamp
- Profoto Air system built-in, for remote control and triggering from up to 300m
- Trigger the flash via sync cable, IR slave or Profoto Air system
- Connect to your PC or Mac with Profoto Studio Air software
- Optional external battery for on-location use
- Can be used with Petrol Electric generators, rated 800W continues load
- Adaptive thermal control ensures overheating preventions and allows you to get maximum out of the flash. 1500 flashes per hour at full energy
- Built in modelling light 300W
- Built-in fan for longer shooting sessions and maximum performance
- The unique Zoom function allows you to freely move the source of light toward the focus of the reflector. This creates several light shapes for each lighting purpose
- Choose from the vast variety of Light Shaping Tools available. Uncomplicated handling of all accessories, e.g. softboxes can be rotated 360 degree in both directions



1: Easy-to-use, accessible controls and displays on the back. Direct digital control for precise images, it's far more than just a digital display

2: Setting knob

3: Display for energy and other functions

4: Slave mode selector, set to Radio or IR

5: Ready signals; Off or Beep and/or Dim

6: Modelling light selector: Off, Proportionally or Free

7: Modelling light Free setting

8: Channel and group settings for Profoto Air system

9: Test button

10: On button

11: Umbrella tube/mount

12: Built-in reflector

13: The optional glass cover will give you more light spread.

14: The unique mounting of LST gives the versatile zoom function

15: Locking knob, well balanced and strong to hold large and heavy accessories

16: Quick and easy to mount, with Profoto Stand adapter

17: Mains Socket

18: Ergonomic handle lets you redirect the light in an instant

19: Synchro interfaces. Sync socket, antenna and IR lens

20: Built-in radio for remote control or triggering

# Style your light to perfection

Shape the light the way you want, with minimum fuss. In the studio or on location, just select the light shaping tools you need from the versatile and unique Profoto Light Shaping Tool system. Reflectors, umbrellas, grids, spots, softboxes and more – each optically designed to create a distinct lighting character.

The Profoto Light Shaping Tools are mounted using a unique clamping system. As a result, almost every light shaping tool can actually serve multiple functions. Just zoom it by pushing the Light Shaping Tool back and forth on the flash. All reflectors also rotate 360 degrees, so adjustments and changes in the light set-up are fast and easy, with nothing in your way while you are creating images.

Just choose the tool you need and then zoom it to perfection. Each Light Shaping Tool has a specific characteristic and can be used for many different applications.



## Softboxes

Softboxes are probably the most versatile Light Shaping Tool for achieving a soft light. Profoto offers a complete range of softboxes to satisfy every lighting need. With over 15 different softboxes in rectangular, square or octagonal shapes to choose from, you do not need to look any further.

While most softboxes have a silver inner surface, new softboxes are being introduced with gold interiors giving a warmer light. The front is recessed to reduce stray light and to attach accessories such as barndoors or grids. The heavy-duty material guarantees a long life and higher light output.



## Spot Small

This high-quality optical focusing spot can be used to project patterns or masked shapes onto your set. Ideal for creating theatrical lighting effects, the Spot Small projects a spot as small as 5 cm diameter from a distance of 0.9 m. It attaches to any Profoto flash head. Accepts "M" size (7 cm) gobos.

10 07 90 Spot Small



## Softlight Reflector White

The white Softlight Reflector also known as "The Beauty Dish" gives a soft, yet directional light. Meant to provide character lighting in portrait photography, the Softlight is superb for a wide variety of uses from product photography to architectural or environmental studies. A distinctive alternative to the widely used softboxes. Character lighting refers to a source of light that is placed close to the subject. By using the optional glass deflector, front diffuser and grid (separate or in combination) the characteristics and light spread can be further adjusted to the photographers needs and wishes. The Softlight reflector is also available in a silver version with a much narrower light spread for crisp beauty and fashion pictures.



## Reflectors and grids

Achieve the right balance of highlight, shadow and contrast, with our wide range of reflectors, zoomable from 5°–100°. Additional grids, snoots and filter holders can be fitted easily to further control and customize the light.

## Umbrellas

With their robust, solid construction and versatility, Profoto provides a number of different umbrella sizes and finishes, they are a must for every professional photographer.



## Fresnel Small

Fresnel Spot projects a clean, crisp beam of light, similar to that of natural sunlight. This compact, vented housing features a 15 cm (6") glass fresnel lens, then adjustable beam-angle control and a tilting light stand mount. Filters can be attached to the front of the fresnel for additional lighting effects. Flash head mounts directly to the Fresnel Spot, without requiring an adapter, and is easily adjustable with its built-in iris control. It adjusts the diameter of its projected beam and can also be used with all Profoto heads. Provides similar light quality as Spot Small but with a smaller dimensions. Excellent for location interiors.

10 07 89 Fresnel Small





# D1 Air kits A great way to start!

Choose from a wide variety of D1 and accessories.  
Pick the kit that's best configured for your needs.



### D1 Studio Kit

- 90 10 50 D1 Studio Kit 250/250  
2 D1 250 + 1 Sync cable
- 90 10 51 D1 Studio Kit 250/250 Air  
2 D1 250 Air + 1 Profoto Air Remote
- 90 10 52 D1 Studio Kit 500/500  
2 D1 500 + 1 Sync Cable
- 90 10 53 D1 Studio Kit 500/500 Air  
2 D1 500 Air + 1 Profoto Air Remote
- 90 10 54 D1 Studio Kit 1000/1000 Air  
2 D1 1000 Air + 1 Profoto Air Remote

Also incl.  
2 Small, white umbrellas  
1 D1 Kit Case  
2 D1 Stands

### D1 Basic Kits

- 90 10 60 D1 Basic Kit 250/250  
2 D1 250 + 1 Sync cable
- 90 10 61 D1 Basic Kit 250/250 Air  
2 D1 250 Air + 1 Profoto Air Remote
- 90 10 62 D1 Basic Kit 500/500  
2 D1 500 + 1 Sync Cable
- 90 10 63 D1 Basic Kit 500/500 Air  
2 D1 500 Air + 1 Profoto Air Remote
- 90 10 64 D1 Basic Kit 1000/1000 Air  
2 D1 1000 Air + 1 Profoto Air Remote

Also incl. 1 D1 Double case



# Light Shaping Tool kits for versatility.



### Starter LST Kit

- 1 Softbox 2x3
- 1 Speedring
- 1 Small, white umbrella
- 2 D1 Stands
- Art.No. 90 10 71

### Small Portrait LST Kit

- 1 Softlight Reflector White
- 1 Softbox 2x3
- 1 Speedring
- 2 D1 Stands
- Art.No. 90 10 72

### Packshot LST Kit

- 1 Softbox 2x3
- 1 Softbox 2x2
- 2 Speedrings
- 1 Zoom Reflector
- 1 Gridkit for Zoom Reflector
- 2 D1 Stands
- Art.No. 90 10 73

# Profoto – The Light Shaping System

MONOLIGHTS AND GENERATORS



D1 Air 1000/500/250 D1 500/250

Acute2R 2400/1200 Acute2 2400/1200

AcuteB 600/AcuteB 600R

D4r 4800/2400/1200 D4 4800/2400/1200

Pro-B2 1200

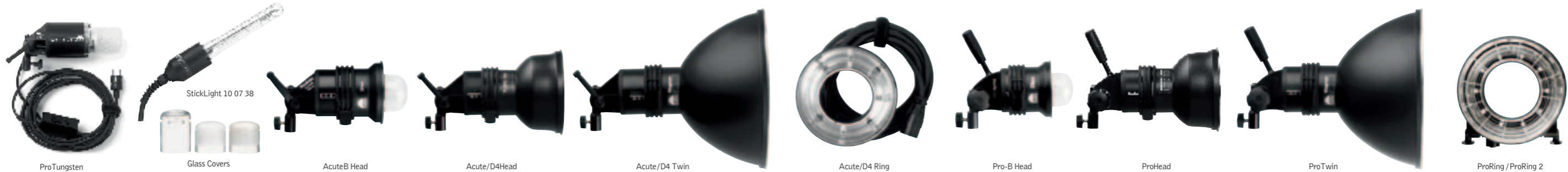
Pro-7b

Pro-7s 2400/1200

Pro-7a 2400/1200

Pro-8a Air 2400/1200

HEADS



ProTungsten

StickLight 10 07 38

Glass Covers

AcuteB Head 90 09 35

Acute/D4Head 90 06 66

Acute/D4 Twin 90 06 78

Acute/D4 Ring 33 05 13

Pro-B Head 90 07 25

ProHead 90 07 09

ProTwin 90 07 19

ProRing / ProRing 2 30 05 15 / 30 05 17

LIGHT SHAPING TOOLS



Narrow Beam Travel Reflector 10 07 13

Narrow Beam Reflector 10 06 17

TeleZoom Reflector 10 07 12

Magnum Reflector 10 06 24

Wide Zoom Reflector 10 07 11

Zoom Reflector 10 07 85

Grid Reflector 10 07 05

Disc Reflector 10 06 54

ProGlobe 10 06 73

Softlight Reflector Silver 10 06 07

Softlight Reflector White 10 06 08

Fresnel Spot 10 07 41

Barn Doors for FresnelSpot 10 07 58

10" Grid 10 06 18

Pro Tube 10 06 70

Barn Doors 10 07 15

10" WideZoom Grid 10 06 36

Grid and Filter Holder 90 06 49

Barn Doors 10 06 71

Snoot 10 06 51

5", 10", 20" Grids 10 06 46, 10 06 05, 10 06 06

Hardbox 10 07 18

Grid for Softlight Reflectors 10 06 09

Glass Disc 10 07 04

ZoomSpot 10 07 34

ProFresnel Spot 10 07 06

PR Softlight Reflector 10 06 42

PR Close-Up Reflector 10 06 43

PR WideSoft Reflector 10 07 17

MultiSpot – 10 07 33

Barn Doors – 10 07 44

Clear Fresnel lens – 10 07 50

Iris Diaphragm – 10 07 48

85 mm Lens – 10 07 46



The line of Profoto Giant Reflectors consists of the parabolic Giant Reflectors 180 cm – 10 03 18, 240 cm – 10 03 19, 300 cm – 10 03 20, plus the Giant White 150 cm – 10 03 14, Giant White 210 cm – 10 03 15, Giant Silver 150 cm – 10 03 16, and Giant Silver 210 cm – 10 03 17. Optional front diffusers are available for all Giants.



StripLights S 0.7m – 10 07 35, M 1.3m – 10 07 36 L 1.9m – 10 07 37. Optional barn doors are available for all StripLights.



Softbox StripLights Softbox 1x3' RF (30x90cm) – 25 45 36 Softbox 1x4' RF (30x120cm) – 25 45 24 Softbox 1x6' RF (30x180cm) – 25 45 34



Softbox Square Softbox 2x2' RF (60x60cm) – 25 45 25 Softbox 3x3' RF (90x90cm) – 25 45 77



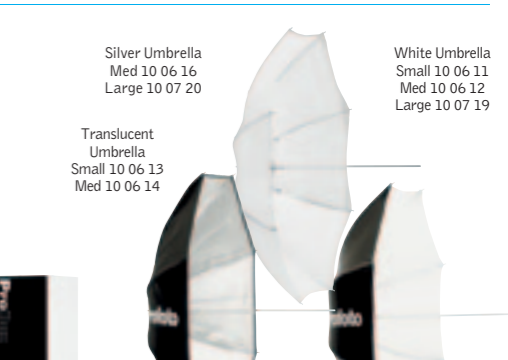
Softbox Rectangular Softbox 1x1.3' RF (30x40cm) – 25 45 76 Softbox 2x3' RF (60x90cm) – 25 45 26 Softbox 3x4' RF (90x120cm) – 25 45 27 Softbox 4x6' RF (120x180cm) – 25 45 35



Softbox Octa Softbox 2.3' Octa (70cm) – 25 45 78 Softbox 2x3' Octa Gold (70cm) – 25 45 79 Softbox 3' Octa (90cm) – 25 45 28 Softbox 5' Octa (150cm) – 25 45 29



StillLight XL 60x80 10 07 39 StillLight XXL 80x120 10 07 40



Silver Umbrella Med 10 06 16 Large 10 07 20 Translucent Umbrella Small 10 06 13 Med 10 06 14 White Umbrella Small 10 06 11 Med 10 06 12 Large 10 07 19



ProBox 20x30cm 90 05 61

# Remote control and sync without cables

Now it's easy to shape and control your light from as far away as 300 m (1000 ft). Our new digital radio system, Profoto Air Remote, is built in to 250 Air, 500 Air and 1000 Air. Complete flash control at your camera, in your hand or from your computer, including flash power and modeling light control. Control an unlimited number of Profoto D1 Air units, generators and heads on eight channels. Profoto Air devices deliver sync signals with a very short delay, just 375µs in fast mode, letting you use the camera's fastest flash sync speed. Connects to your camera with either a hot shoe or a cable.

These small, handheld devices weigh only 70 g (2.5 oz) including batteries. They pack a lot of function and reliability into an easy-to-use control panel. Operating at 2.4 GHz, they are approved for world wide use. Profoto Air is a transeiever, so it can serve as either a transmitter to fire your lights or camera or operate as a receiver when used with non-Air flash units.



## Profoto Air inside

This symbol tells you when a flash component has a built-in transceiver that makes it compatible with the Profoto Air system. It's your guarantee of perfect sync.



## Profoto Air Remote

Our specially designed digital radio system. Complete flash control at your camera or in your hand, including trigger, flash energy control and modeling light control.



## Profoto Air Sync

Syncs flash generators or groups of Profoto D1 Air with the same high performance as Profoto Air Remote. The Profoto Air Sync provides a simple solution when you do not need to control the power of your flash and only need to trigger it with your camera.



## Profoto Air USB

This USB 2.0 transceiver connects your D1 units to the Profoto Studio Air, software for both PC and Mac that gives you full control of your studio flash system remotely from your keyboard.



# Profoto Studio Air brings it all together

Profoto Studio Air is a software solution for both PC and Mac that simplifies lighting and gives you full control of all you packs and heads, wirelessly from your computer.

Visually see the power of your packs and heads and make adjustments as needed with the on-screen controls. Flash-output and modeling light controls are just the start. You can control each head individually or group them to control multiple heads or packs at one time. Then, save your custom lighting setups for use at a later time.

The Profoto Studio checks to see if all D1 Air are fired correctly with every exposure. Giving you extra assurance you have the shot. With an eye on technical innovation, Profoto Studio Air is designed to be an expandable system and your investment will never be outdated.

# Profoto D1

	D1 1000 Air	D1 500 Air*	D1 250 Air*
Energy (Ws/J)	1000	500	250
Power Range f-stop	7	7	7
Ws	15.6–1000	7.8–500	3.9–250
Power range	1/1–1/64	1/1–1/64	1/1–1/64
Power increments	1/10	1/10	1/10
Flash duration t0.5	1/700–1/1800	1/1000–1/2600	1/1400–1/3700
Recycling 230 V (s)	0.2–2.0	0.2–0.95	0.2–0.65
Recycling 120 V (s)	0.2–2.0	0.2–0.95	0.2–0.65
Colour temperature, Kelvin	5600	5600	5600
Energy precision (flash-to-flash) f-stop	± 0.05	± 0.05	± 0.05
Light spread with built-in reflector (degree)	77	77	77
Multivoltage	Yes	Yes	Yes
Modeling lamp (V/W)	120/300	120/300	120/300
Modeling lamp function	Off / Prop / Free dim	Off / Prop / Free dim	Off / Prop / Free dim
Weight (kg/lbs)	2.94/6.48	2.43/5.36	2.23/4.91
Measurements mm (length & diameter)	300x130 (170 incl. Stand adapter)	300x130 (170 incl. Stand adapter)	300x130 (170 incl. Stand adapter)
Measurements inch (length & diameter)	11.8x5.12 (6.69 incl. Stand adapter)	11.8x5.12 (6.69 incl. Stand adapter)	11.8x5.12 (6.69 incl. Stand adapter)
Synchronization mode	Cable / IR / Air	Cable / IR / Air	Cable / IR / Air

Technical data and product description are subject to change without notice.  
\* Profoto D1 500 and Profoto D1 250 is also available without Air



## Accessories:

- 10 15 61 Glass Cover D1
- 10 15 62 Glass Cover UV -600 K
- 10 15 63 Glass Cover UV -300 K
- 90 08 50 Grid Kit D1
- 33 15 24 Glass Plate (STD)
- 33 15 25 Glass Plate Clear
- 10 30 10 Sync Cable D1

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

For more than four decades, 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.

Profoto is the world leader in electronic flash. It is available for purchase or rental at professional photography stores, rental studios and rental houses worldwide, from Paris, London, Milan, New York, Tokyo to Cape Town.

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 **Profoto**  
The Light Shaping Company