Product designation

Power pack Verso A4 RFS Article no. 31.033.XX

Product description

Microprocessor controlled power pack with 3 lamp base outlets, controlled over two channels (outlet I and outlet II / III). Flash energy 2400 J. Individual (asymmetrical) output distribution. Maximum control range: over 8 f-stops in 1/10 f-stop intervals. High repetitive precision. Automatic stabilisation of the colour temperature over 4 f-stops within +/- 100 K. Internal discharge when the power is reduced. Photocell (can be switched off) and infrared receiver (can be switched off) for flash triggering. Front panel with illuminated silicone keyboard resistant to dust and scratches, LED as well as two LCD-displays. Modelling light with 6 different proportionality levels, adjustable to all broncolor power packs and monoblocs. Visual and audible flash monitoring by dim function of the modelling light during charging as well as buzzer. Bright ready display visual and audible (buzzer can be switched off). Can be switched to fast charging mode. Fan cooling for long flash sequences and thermal protection. Memory function (the entered data are retained should the unit be switched off or in case of a power cut). Robust aluminium housing, side walls are equipped with hard rubber components. Automatic adaptation to the respective mains voltage. Mains (AC-line) independent when using in combination with the available Power Dock (charging unit integrated) as accessory.

Integrated RFS-Interface (**R**adio **F**requency **S**ystem) for flash release by radio via transmitter RFS as well as by means of a transceiver RFS via PC or Macintosh computer.

Additional functions:
- Sequences (serial flashes)
- Sensitivity of the photocell can be reduced
- Visual ready display can be dimmed
- Simplified programming of the studio and unit address
- Option automatic switch-off of the power pack on battery operation

Operation Verso A4 RFS with Power Dock

Verso A4 RFS can be operated as a mains (AC-line) independent unit. The accessory equipment Power Dock comprises a high-performance battery package with integrated charging unit as well as an independent processor for battery management and monitoring of the modelling light. The unit can be attached to the bottom of the power pack. Apart from the charging time and modelling light the functions of the unit and the characteristics of the output are no different than on mains power operation. Automatic switch-off of the power pack after a selectable

waiting time (sleep mode). Variable settings of the on time of the modelling light are possible to protect the rechargeable battery.

Individual energy distribution Verso A4 RFS

The flash energy is divided up as follows between the three lamp base outlets:

Channel 1 controls the lamp base outlet I
- Lamp base outlet II and III not in use = 100 % (2400 J) over outlet I
- Lamp base outlet II and/or III in use = 50 % (1200 J) over outlet I

Channel 2 controls lamp base outlet II and III
- Lamp base outlet II or III in use = 50 % (1200 J) over the outlet in use
- Lamp base outlet II and III in use = 25 % (600 J) per outlet

The control range of the flash energy is as follows:
- Channel 1 (without using channel 2): over 7 f-stops from 2400 J to 19 J
- Channel 1 and 2 or channel 2 (with 1 lamp base): over 6 f-stops from 1200 J to 9,5 J
- Channel 2 (with 2 lamp bases): over 6 f-stops from 600 J to 9,5 J

Each channel is individually controllable, which means that when both channels are in use, the unit performs like two independent power packs each with 1200 J.

Scope of delivery

Power pack with built-in RFS interface, mains cable, operating instructions, dust cover

Not included in the scope of delivery and therefore to be ordered separately:
Power Dock for Verso A4, Transmitter RFS, Transceiver RFS

Technical data

	Mains operation	**Battery operation**
Flash energy	2400 J	2400 J
F-stop at 2 m (6.6 ft) distance 100 ISO, reflector P70	64 7/10	64 7/10
Flash duration t 0.1 (t 0.5) with 230 V	2400 J: 1/250 s (1/750 s) 1200 J: 1/450 s (1/1250 s) 600 J: 1/1600 s (1/1700 s)	2400 J: 1/250 s (1/750 s) 1200 J: 1/450 s (1/1250 s) 600 J: 1/600 s (1/1700 s)
Charging time at fast charge (for 100 % of selected energy)	0.3 - 1.7 s (200-240 V) 0.3 - 1.8 s (110-120 V) 0.3 - 1.9 s (100 V)	0.3 - 3.2 s (fully charged battery)
	Can be switched to normal or fast charging mode	

Technical data (continuation)

	Mains operation	**Battery operation**
	Automatic adaptation to the respective mains voltage. (Voltage fluctuations up to +/- 10 % do not cause any restriction.)	
Ready display	Visual and audible (can be switched off), signals when 100 % of selected energy is reached.	
Lamp base outlets	3	
Power output distribution	Individual (asymmetrical)	
Controls	Illuminated silicone keyboard resistant to dust and scratches, LED as well as two LCD-displays.	
Control range of flash energy	Channel 1 (without using channel 2): over 7 f-stops in 1/10 f-stop intervals (1:128) Channel 1 and 2 or channel 2: over 6 f-stops in 1/10 f-stop intervals (1:64)	
Maximum asymmetry	6 f-stop increments channel 1: level 9 / channel 2 (1 lamp base): level 3 respectively 7 f-stop increments channel 1: level 9 / channel 2 (2 lamp bases): level	
Modelling light	for 200 - 240 V: Halogen max. 3 x 650 W for 100 - 120 V: Halogen max. 3 x 300 W Proportional to flash energy and “full” and “low” settings. Proportionality adjustable to other broncolor power packs and monoblocs and their various output ratings	for 200 - 240 V: Halogen max. 1 x 650 W 2 x 300 W 3 x 150 W for 100 - 120 V: Halogen max. 2 x 300 W 3 x 150 W Variable settings of the on time to protect the rechargeable battery: between 1 min and 20 min *Exception*: Setting of the on time between 1 min to 7 min if used with 1x 650 W or 2 x 300 W
Additional functions	- Sequences (flash series) up to 50 flash releases - Sensitivity of the photocell can be reduced. - Visual ready display can be dimmed. - Simplified programming of the studio and unit address - Option automatic switch-off of the power pack in battery operation (settings from 10 min to 99 min)	
Flash releases	Manual release button, photocell (can be switched off), infrared receiver (can be switched off), sync cable, FCM 2, IRX2, Transmitter RFS, Transceiver RFS (10 channels)	

Technical data (continuation)

	Mains operation	Battery operation
Radio (RFS)	Operational distance outdoors up to 50 m (164 ft)	
	Operational distance in closed rooms up to 30 m (98 ft)	
	Range up to 300 m (984 ft)	
No. of sync sockets	1	
Dimensions (L x W x H)	290 x 185 x 380 mm / 11.4” x 7.3” x 14.96”	
Weight power pack	10.4 kg / 22.88 lbs	
Weight Power Dock	12.3 kg / 27.1 lbs	
Stabilised flash voltage	+/- 0.5 %	
Power requirements	200-240 V / 50 Hz: 10 A 110-120 V / 50-60 Hz: 16 A 100 V / 50 Hz: 16 A	
No. of flashes per fully charged battery		Fast charge:approx. 180 at full output Normal charge: approx. 240 at full output
Standards	UL 122, EC-standards 73/23, 89/336 and 99/5 ERM EN 300 220-1,-3 EMC EN 301 489-1,-3 EN 60950 EN 50371 FCC Part 15 This device complies with part 15 of the FCC Rules. 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. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.	

Special features

- On battery operation, the dim function is permanently activated.
- In the “fast charge” mode the dim function is permanently active also on mains operation.
- As a transport protection the Power Dock is equipped with a cover with handle.

Compatibility

In the “fast charging mode” the power pack Verso A4 RFS has a very high charging capacity. Therefore each connected lamp base has to be equipped with a flash tube with high power rating. In this mode the Verso A4 RFS must be operated at present only with the following lamp bases:

Mains and battery operation

- Lamp base Pulso G with flash tube 3200 J [1)]
- Lamp base Unilite with flash tube 3200 J [1)]
- Special effect lamp Litestick
- Ringflash C
- Ringflash P

Only mains operation

- Lamp base Pulso F4 with flash tube 3200 J [1)]

[1)] Operation only permitted with a flash tube, with a black mark (star) on the ceramic base.

For thermal reasons the modified flash tubes 1600 J for the lamps bases Pulso G and Unilite are manufactured only without UV-coating. As a result of this, the user must now always use a UV-coated protecting glass.

Remote release	Transmitter RFS
	Transceiver RFS
	Flashmeter FCM2
	Infrared transmitter IRX2

Accessories

Power Dock for power pack Verso A4	Art. no. 36.124.00
Transmitter RFS	Art. no. 36.130.00
Transceiver RFS	Art. no. 36.131.00

Application

All types of professional flash photography indoors and outdoors of the studio. The unit is designed as a mains (AC-line) operated studio flashlight unit which can be converted to a mains independent power pack.