Product designation

Power Pack Topas A8 Evolution Article-No. 31.184.XX

Product description

Microprocessor controlled power pack with 4 lamp base connections. Flash energy 6100 J. Symmetrical and variable individual (asymmetrical) output distribution. In the asymmetrical mode control in pairs on the lamp base outlet over two channels, that means lamp base outlet I and II (1) respectively III and IV (2). Control range: 5 f-stops in 1/10 f-stop intervals; 6 f-stops when using the asymmetrical switch. Internal discharge when power setting is reduced. Photocell (can be switched off) and separate infrared receiver (can be switched off). Illuminated silicone keyboard and LED-display, resistant to dust and scratches. Modelling light with 5 proportionality levels, adjustable to all broncolor power packs and compact units. Ready display visual and audible. Dim function of the modelling light during charging. Ready buzzer (can be switched off). Can be switched to slow charging mode. High repetitive precision for digital photography. In symmetrical mode to be used with broncolor Pulso 8 lamp base; in asymmetrical mode compatible with all broncolor lamp bases.

Additional functions: Sequences (serial flashes)

Individual and symmetrical energy distribution Topas A8 Evolution

If the unit is set to individual energy distribution, the power is divided in pairs between 2 channels on the lamp base outlets I and II (1) respectively III and IV (2).

Channel 1:
- with one lamp on lamp base outlet I or II = 50%
- with two lamps on lamp base outlet I and II = 25% per outlet

Channel 2:
- with one lamp on lamp base outlet III or IV= 50%
- with two lamps on lamp base outlet III and IV = 25% per outlet

The control range of the flash energy extends, depending on the channel,
a) when occupying one lamp base outlet: from 3050 J down to 190 J (optional to 95 J)
b) when occupying two lamp base outlets from 1525 J down to 95 J (optional to 50 J)

In asymmetrical mode a maximum of 3050 J can be drawn from each lamp base outlet. Consequently, Topas A8 Evolution in asymmetrical mode is compatible with all broncolor lamp bases. Each channel is individually controllable, which means that the unit works like two independent power packs, each with 3050 J.

If, in this operating mode, the entire power pack energy of 6100 J is to be released on one lamp, a Pulso Twin lamp base must be used, which compared with a Pulso A lamp base in symmetrical mode, results in a shorter flash duration.

If the power pack Topas A 8 is in symmetrical use, the whole energy of 6100 J can be drawn from any socket. This requires however the use of a Pulso 8 lamp base. For safety reasons, smaller lamp bases are blocked in this operation mode. In comparison with the Pulso Twin lamp base, the Pulso 8 lamp base has the advantage of a single lamp cable, which is longer and suitable for big installations.

Scope of delivery

Power pack with mains cable, operating instructions, dust cover

Technical data

	Topas A8 Evolution with lamp base Pulso G, Unilite, Primo or Pulso Twin	**Topas A8 Evolution with Pulso 8 lamp base**
Flash energy	2 x 3050 J (4 x 1525 J)	6100 J
F-stop at 2 m distance 100 ISO, reflector P65	128 (Pulso Twin with P65)	128 (P65)
Flash duration t 0.1 (t 0.5) with 230 V	3050 J: 1/150 s (1/600 s) Pulso Twin: 1/230 s (1/700 s) 1525 J: 1/300 s (1/1200 s)	6100 J: 1/50 s (1/230 s)
Charging time (for 100% of selected energy)	0,5 – 5,2s	0,5 – 5,2s
	Can be switched to slow charging mode Only for mains voltage 200 – 240 V	
Ready display	Visual and audible (can be switched off); signals when 100 % of selected energy is reached	
Lamp base outlets	4	
Power output distribution	Symmetrical and variable individual (asymmetrical)	
Controls	Illuminated silicone keyboard and LED-display, resistant to dust and scratches	
Control range of flash energy	4 f-stops in 1/10 f-stop intervals (1:16); can be switched to 5 f-stops (1:32). By using the asymmetrical switch 6 f-stops (1:64)	
Maximum asymmetry	5 f-stops, channel 1: level 9 / channel 2: level 4	
Modelling light	Halogen max. 4 x 650 W with 200 – 240 V	
	Proportional to flash energy and «full» and «low» settings. Proportionality adjustable to other broncolor power packs and compact units and the various output levels	
Additional function	Sequences (serial flashes)	
Flash release	Manual release button, photocell can be switched off, IR-	

	receiver can be switched off, sync cable, FCM 2, FCC, IRX2, IRQ
No. of sync sockets	2
Dimensions LxWxH	280x162,7x517 mm
Weight	15,6 kg
Stabilized flash voltage	+/- 1%
Power requirements	200-240 V / 50 Hz: 10 A
Standards	UL122, EC standard 73/23

Compatibility

Power packs	Grafit 2, 4, A2, A4, A2 plus, A4 plus, Topas A2, A4, A8 Nano 2, Nano A4, Mobil Pulso 2, 4, A2, A4, 8, Opus 2, A2, 4, A4, A8, Primo, Primo A, Primo A fashion, Primo 4 Flashman, Flashman 2, 304, 404, 404 Servor
Compact units	Minipuls D160 Minicom 40, 80 Minipuls C40, C80, C200, Minipuls 40, 80 Minicom 40, 80 Compuls 65, 95, 165
Lamp bases	To be used with Pulso 8 lamp base; in asymmetrical mode compatible with all broncolor lamp bases (as from 1972).
Remote release	IRI, FM (coverage about 7 m) IRQ, FCM2, FCC, IRS (coverage about 10 m) IRX2, IRX, IRS-E (coverage about 30 m)
Battery operation	Topas A8 Evolution can be operated, without modelling light, using a car battery converter.

Modification of Topas A RFS

There is the possibility, to equip the Topas A power packs subsequently with a RFS interface. The modification can be done by your local broncolor agency in your country.

Application

All types of flash photography; especially suitable for the use in large studios (for example interior and car photography). This unit is designed for professional photography as a mains supplied studio power pack.

Arguments

- Compatible with the entire broncolor product range
- User-friendly controls (self explanatory)
- Operating mode can be switched to symmetrical and asymmetrical
- Asymmetrical distribution of flash energy over the entire power range
- Two individual channels which can be regulated, with each two symmetrical lamp base outlets
- High repetitive precision for digital imaging
- Very large control range (up to 6 f-stops)
- Maximum asymmetry of 5 f-stops
- Memory function (the entered data is retained should the unit be switched off or in case of a power cut).
- Internal automatic discharge when flash power is reduced
- Monitoring of the flash voltage
- Robust housing
- Illuminated control display
- Proportional modelling light
- Built-in IR trigger
- Thermal protection
- Fan cooling for long flash sequences
- Automatic circuit breaker
- Light weight
- Usable with car battery converter 12V / 220V