Data sheet

Product designation

Power Pack Topas A8 RFS Evolution Article-No. 31.183.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.

Integrated RFS Interface (**R**adio **F**requency **S**ystem) for remote control respectively flash release of the unit by radio by means of transmitter RFS as well as transceiver RFS from a PC or Macintosh computer. Built-in memory function to store 4 lighting situations while working via screen.

Additional functions: Sequences (serial flashes)

Individual and symmetrical energy distribution Topas A8

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 built-in RFS Interface, mains cable, operating instructions, dust cover.

Transmitter RFS and transceiver RFS must be ordered separately.

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 connections	4	
Power output distribution	Symmetrical and variable individual (asymmetrical)	

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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, Transmitter RFS, Transceiver RFS
Remote control	By means of the 8 channel RFS Interface (**R**adio **F**requency **S**ystem) for remote control of the unit by radio from transceiver RFS from PC or Macintosh computer. Up to 8 units can be controlled Per channel (studio), there can be controlled up to 8 units.
Operational distance outdoors	up to 50 m
Operational distance in closed rooms	up to 30 m
Range	up to 300 m
No. of sync sockets	1 (instead of the second sync socket there is the radio antenna.)
Dimensions LxWxH	280 x 162,7 x 517 mm
Weight kg	15,6
Stabilized flash voltage	+/- 1%
Power requirements	200-240 V / 50 Hz: 10 A
Standards	UL 122, EC standard 73/23, 89/336 und 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.

Compatibility

Lamp bases	To be used with Pulso 8 lamp base; in asymmetrical mode compatible with all broncolor lamp bases (as from 1972).
Remote release	Transmitter RFS, Transceiver RFS IRI, FM IRQ, FCM2, FCC, IRS IRX2, IRX, IRS-E
Remote control	Transceiver RFS
Battery operation	Topas A8 Evolution RFS can be operated, without modelling light, using a car battery converter.

Topas A PLUS

Because of the laws in some countries, the use of the broncolor radio system is not allowed. Therefore the power packs Topas A are also available in the version Topas A Plus (that means with cable remote control). Besides the cable connection between the power pack and the computer, the application with RFS is almost identical.

Attention: *There is no camera transmitter available for Topas A Plus !*

Remote control	With integrated interface for the remote control of the unit by cable from PC or Macintosh computer. Each channel (Studio) can control up to 10 units.
Operational distance outdoors	Length of the connection cable from the computer to the unit: 5 m Length of the connection cable between the units: 2,5 m
Operational distance in closed rooms	See above
Range	See above
Number of sync sockets	1 (the second sync socket is configured as connection for the computer cable)

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.

The power pack Topas A8 RFS Evolution makes possible complete computer controlled imaging for users of digital photo systems.