

Product designation

Minicom 40 RFS

Article no. 31.404.XX

Product description

Monobloc controlled by microprocessor with interlocking Pulso bajonet, which permits a 360° rotation of the mounted light shapers. 300 J flash energy (100 V version: 250 J), control range over 5 f-stops in 1/1 or 1/10 f-stop increments, high repetitive accuracy for digital imaging, internal discharge in case of a reduction of power. Infrared receiver and photocell (can be switched off separately). Modelling light with 6 different proportionality levels compatible with all broncolor flash systems and the various power levels. Monitoring of the modelling light. Front panel with illuminated digital display, LED display as well as a dust and scratch-proof illuminated silicone keyboard. Flash monitoring either by dim or boost function of the modelling light during charging, as well as buzzer. Visual and audible ready display (buzzer can be switched off). Can be switched to slow charging mode. Fan cooling for long flash sequences, robust metal housing with integrated umbrella holder, big handle, thermal protection and overload circuit breaker. Integrated tilt head with locking lever. Stand adapter for 12 mm and 16 mm bolts. The bracket of the monobloc with the stand adapter can be installed upwards for suspended mounting.

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, servor 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)
- Sensibility of the photocell can be reduced

Mains voltage

Minicom 40 RFS is available in two different versions:

a) as bi-voltage unit, of which the technical data are optimised for the mains voltage 200 - 240 V. If this version is operating on mains voltage of 100 – 120 V, the following limitations result:

Mains voltage 120 V: Doubling of the loading time

Mains voltage 100 V: Doubling of charging time as well as a reduction of the maximum flash energy to 250 J

b) as bi-voltage unit, of which the technical data are optimised for the mains voltage 120 V. If this version is operating on mains voltage 200 – 240 V or 100 V, the following limitations result:

Data sheet

Mains voltage 230 V: Doubling of the charging time

Mains voltage 100 V: Extension of the charging time by 20% as well as a reduction of the maximum flash energy to 250 J

Scope of delivery

Monobloc with integrated RFS-interface as well as a protection cap for transport, mains cable and operating instructions.

Flash-tube, modelling lamp and protecting glass as well as transmitter RFS, Servor RFS and transceiver RFS must be ordered separately.

Technical data

Flash energy	300 J (100 V: 250 J)
F-stop at a distance of 2 m 100 ISO, reflector P50 // P70	32 5/10 // 22 5/10 (100 V: 32 2/10 // 22 2/10)
Flash duration t 0.1 (t 0.5)	1/900 s (1/2500 s) with mains voltage 110 – 240 V => with mains voltage 100 V: about 20% longer
Charging time (for 100% of selected energy)	230 V / 50 Hz: 0,3 – 0,9 s 120 V / 60 Hz: 0,3 – 1,2 s 100 V / 50 Hz: 0,3 – 1,5 s Can be switched to slow charge mode

The technical data of the Minicom 40 are optimised for a certain mains voltage (200-240 V or 120 V). If the unit is operating on an alternative mains voltage, an extension of the charging time results. If the unit is operating on mains voltage 100 V, the maximum flash energy is reduced to 250 J.

Ready display	Visual and audible (can be switched off), signals when 100% of selected energy is reached
Controls	Illuminated digital display, LED display as well as dust and scratch-proof, illuminated silicone keyboard
Control range of flash energy (100 V: 1/3 f-stop less)	over 4 f-stops in 1/10 increments (1:16); can be switched to 5 f-stops (1:32)
Modelling light	Halogen max. 300 W Proportional to flash energy as well as „full“ and “low” settings. Proportionality adjustable to all broncolor flash systems and the various output levels.
Additional functions	- Sequences (serial flashes) up to 50 flashes - Sensibility of the photocell can be reduced
Flash release	Manual release button, photocell and infrared receiver (can be switched off), sync cable, FCM 2, FCC, IRX2, transmitter RFS, transceiver RFS
Flash monitoring	Visual: Dim or boost function of the modelling light during charging Audible: buzzer

Technical data (continuation)

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 servor RFS as well as transceiver RFS from PC or Macintosh computer. Up to 8 units can be controlled per channel (studio).
Operational distance outdoors	up to 30 m
Operational distance in closed rooms	up to 20 m
Range	up to 300 m
Number of sync sockets	2
Dimensions (L x W X H)	286 x 154 x 194 mm
Weight kg	3,0
Stabilized flash voltage	+/- 1,5%
Cooling	Fan
Power requirements	200-240 V / 50-60 Hz: 6 A 100-120 V / 50-60 Hz: 10 A
Standards	EC standard 73/23, UL 122 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

Light shaper	all broncolor light shapers
Remote release	RFS transmitter IRX2 FCM2, FCC
Remote control	Transeiver RFS
Battery operation	The 230 V version of the Minicom 40 RFS can be operated from a car battery with a converter (without modelling light).

Accessories

Flash tube 5500 K to Minicom 40 RFS	Art. no. 34.307.55
Halogen modelling lamp 300 W / 120 V	Art. no. 34.234.XX
Halogen modelling lamp 300 W / 230 V	Art. no. 34.233.XX
Protecting glass, clear 5500 K	Art. no. 34.336.55
Protecting glass, clear 5900 K	Art. no. 34.336.59
Protecting glass, mat 5500 K	Art. no. 34.337.55
Protecting glass, mat 5900 K	Art. no. 34.337.59
Transmitter RFS	Art. no. 36.130.00
Transceiver RFS	Art. no. 36.131.00
Servor RFS	Art. no. 36.132.00
Fuse 3.15 AF	Art. no. 37137.00
Protection cap for transport, transparent	Art. no. Z6750.00
Mains cable CH 200-240 V	Art. no. 39084.00
Mains cable USA 100-120 V	Art. no. 39085.00
Mains cable Europe 200-240 V	Art. no. 39086.00
12 V battery converter	Art. no. 36.450.XX
Bracket for suspended mounting	Art. no. 35.228.00

Special features

- Minicom 40 RFS can be operated, with certain restrictions, on all mains voltages
- Monitoring of the modelling light
(audible signal when operating mode is changed from 110-120V to 200-240V)
- Option for releasing sequences (serial flashes)
- Integrated RFS Interface

Attention: For safety reasons, never operate the monobloc without protecting glass.

Application

All ranges of professional flash photography, especially for people and “on location” photography.

The monobloc Minicom 40 RFS makes possible complete computer controlled imaging for users of digital photo systems.