

Product designation

Minicom 160 RFS

Article no. 31.473.XX

Product description

Monolight, controlled by microprocessor with interlocking Pulso bayonet, which permits a 360° rotation of the mounted light shaper. 1200 J flash energy, control range over 5 f-stops in whole or 1/10 f-stop intervals, high repetitive accuracy for digital imaging, internal discharge in case of 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 dustproof and scratchproof 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, large handle, thermal protection and overload circuit breaker. Integrated tilt head with locking lever. Stand holder for 12 mm (0.4 inch) and 16 mm (0.6 inch) bolts. The bracket of the monolight, with the stand holder, can be mounted upwards for suspended mounting.

Built-in RFS interface (**R**adio **F**requency **S**ystem) for remote control or flash release of the unit by radio by means of an RFS transmitter, as well as RFS transceiver from a PC or Macintosh[®] computer. Memory function to store 4 lighting situations while operating via screen.

Additional functions: - Sequences (serial flashes)
- Sensitivity of the photocell can be reduced

There exists a design patent for the units of the Minicom series.

Mains voltage

Minicom 160 RFS is a dual-voltage unit with technical data optimised for mains voltage of 200 - 240 V. When this version is operated with mains voltage of 100 - 120 V, the following restrictions result:

Mains voltage 120 V:	Doubling of the charging time
Mains voltage 100 V:	Doubling of the charging time as well as a reduction of the maximum flash energy of 900 J

Scope of delivery

Flash tube, modelling lamp and protecting glass.

Protection cap for transport, mains cable, safety screw (in bag) for suspended mounting and operating instructions

Technical data

Flash energy	1200 J
f-stop at distance of 2 m (6.6 ft), 100 ISO, P50 // P70 reflector	64 4/10 // 45 4/10
Flash duration t 0.1 (t 0.5)	1/350 s (1/1100 s)
Charging time (for 100 % of selected energy)	230 V / 50 Hz: 0,5 – 2,4 s can be switched to slow charge mode
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 dustproof and scratchproof, illuminated silicone keyboard
Control range of flash energy (100 V: 1/3 f-stop less)	over 4 f-stops in 1/10 f-stop intervals (1:16); can be switched to 5 f-stops (1:32)
Modelling light	halogen max. 650 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 - sensitivity of the photocell can be reduced
Flash release	manual release button, photocell and infrared receiver (can be switched off), sync cable, FCM 2, FCC, IRX 2, RFS transmitter, RFS transceiver
Flash monitoring	visual: Dim or boost of the modelling light during charging audible: Buzzer
Remote control	by means of the built-in 8 channel RFS interface (R adio F requency S ystem) for remote control of the unit by radio via RFS transceiver from PC or Macintosh® computer. Each channel (studio) can control up to 8 units.
Operational distance outdoors	up to 30 m / 98.4 ft
Operational distance in closed rooms	up to 20 m / 65.6 ft
Range	up to 300 m / 984 ft
Number of sync sockets	2

Data sheet broncolor

Dimensions (L x W x H)	355 x 154 x 194 mm / 13.9 x 6 x 7.6 inch
Weight	4,350 kg / 9.6 lbs
Stabilized flash voltage	+/- 1,5 %
Cooling	fan
Power requirements	200-240 V / 50-60 Hz: 6 A
Standards	EN 60065, EN 55011, EN 60598 EN 300 220-1 EN 301489-1, -3 2006/95/EC, 2004/108/EC, 2002/96/EC, 2002/95/EC 1999/5/EC

Compatibility

Light shaper	all broncolor light shapers
Remote release	RFS transmitter IRX 2 FCM 2 FCC
Remote control	RFS transceiver

Accessories

Flash tube 1500 J / 5900 K for Minicom 160 RFS	art. no. 34.310.00
Halogen modelling lamp 300 W / 120 V	art. no. 34.234.XX
Halogen modelling lamp 650 W / 230 V	art. no. 34.226.XX
Halogen modelling lamp 300 W / 230 V	art. no. 34.233.XX
Protecting glass, clear 5500 K	art. no. 34.336.00
Protecting glass, matt 5500 K	art. no. 34.337.00
RFS transmitter	art. no. 36.130.00
RFS transceiver	art. no. 36.131.00
RFS servor	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
Bracket for suspended mounting	art. no. 35.228.00

Special features

- Minicom 160 RFS can be operated on all mains voltages with certain restrictions
- Monitoring of the modelling light
(audible signal when operating mode is changed from 100-120 V to 200-240 V)
- Option to release sequences (serial flashes)
- Built-in RFS interface

Attention: For safety reasons, never operate the monolight without protecting glass!

Application

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

The monolight Minicom 160 RFS enables complete computer controlled imaging for users of digital photo systems.