



PROFILITE- SYSTEM

**Bedienungsanleitung
Instructions for use
Mode d'emploi
Instrucciones de uso
Istruzioni per l'uso
Gebruiksaanwijzing
Bruksanvisning**

Profilite Operating Instructions

Basic outfit

Profilite Studio

Profilite power pack, AC mains unit with 4 m cable, studio flash head assembly with flash tube and halogen lamp, protective cap and 4 m of coiled sync. cable.

Profilite Reporter

Profilite power pack, DC convertor for accumulator pack with coiled cable, accumulator case, 0.5 m of sync. cable, handgrip, camera bar and reporting reflector.

Accessories

Normal reflector, diffusing screen, honeycomb filter 8 cm diam., colour filter holder, set of colour filters, snoot, barn doors, brolly, Multilite 40 trough, honeycomb filter for latter, set of 8 Nicad accumulators, charger for latter, stand, carrying case.

A – Attaching the flash-head, resp., reflector

Both the flash-head for studio work (1) and the reflector for journalistic assignments (2) are attached in the same way to the „mother unit“, the power pack (3). The plugs of the reflector units are inserted into the 7-contact socket in the power pack (4) and the two hooks (5) engaged in the catches at the side. To

remove the reflector units, simply press down the two slides (7) at the side of the power pack and pull the respective reflector unit forwards.

A 1 – Studio flash-head assembly:

This consists of the plug-in base, the reflector unit, permanently mounted flash tube (with UV coating), interchangeable 12 V/50 W halogen modelling lamp.

Important: Operation of the studio assembly **with halogen lamp switched on** is only possible when powered from the **mains** or **automobile battery**.

Although no damage will occur to the Profilite Studio, it is not recommended to run the halogen lamp from small batteries, such as the 8 x 1.5 volt or 8 x 1,24 volt sets, since they will become exhausted too rapidly. Nevertheless, in the „studio mode“, you may switch on the electronic flash function alone. This means that you do not necessarily have to take off the studio flash-head assembly (and put on the reporting reflector) when only the battery pack is at hand. **(Further details in para. D).**

The front of the studio assembly is provided with a bayonet connection (8) for accessories as well as a socket, for holding the brolly. The protective cap (10) must be inserted into the bayonet (8) during transport (Included in basic outfit). The bayonet also accepts the following accessories: the normal reflector, the 8 cm honeycomb filter, the snoot and the Multilite 40. The brolly or similar umbrella-type reflectors with a rod diameter of 8 mm is inserted into the socket (9).

Caution: A filter holder may also be mounted in front of the honeycomb filter. In this combination with colour gels inserted, the modelling light should **never be left on for more than 15 minutes at the very most**. The generation of heat is too great. In the case of lengthy setting-up work, leave the power pack switch (28) at positions „A” or „B”.

A – 2 Reporting reflector

This consists of the plug-in housing, the built-in reflector, the likewise built-in UV-treated flash tube and the diffusing lens at the front. The reporting reflector can be used in connection with all the different power supplying units, i. e., parts (11) and (18).

Caution: Before changing either the AC mains unit or the reflector units, always switch off the power pack and disconnect from the mains supply.

B – Mains operation:

Mount the AC mains unit (11) on the front of the power pack (3), ensuring that the plug is fully inserted in the row of sockets (12); the two hooks (13) should engage in the catches (14).

Before inserting the plug in the mains power supply, check that the voltage stated on the AC mains unit does actually correspond to your own domestic supply voltage. After attaching one of the reflector units and plugging in to the mains supply, the apparatus is ready for use (See paras C 1/C 2).

The fuse (17) serves to protect the apparatus from damage through faulty electric supply. If it should blow, only replace

with a new fuse of the correct type. Repeated melting of the fuse is a sign that something is not in order – consult our service department.

C – Battery, accumulator or auto battery operation

Join up the DC convertor (18) with the Profilite power pack as described in paragraph „B”. Insert the plug of the spiral (coiled) cable (19) into the socket (20) of the accumulator case (21). The accumulator case can be loaded with either 8, 1.5 V „Baby”-type alkaline batteries (best performance) or 8, 1.24 V Nicad accumulators which may be recharged in approx. 10 – 14 hours by means of the charger (23). When connecting up the Nicad charger to the mains supply, check that the voltage is compatible. There is another way of charging up the accumulators: a special charging cable (24) is plugged into the front of the AC mains unit (seven-contact socket) and the two-pin plug (25) is inserted into the appropriate socket in the accumulator case. Charging time is, once again, about 10 – 14 hours.

If you wish to power the Profilite from a 12-volt car battery, connect up the plug (19) of the DC Convertor (18) with the socket (42) of the automobile battery cable (41).

Provided the 12-volt battery is well charged, it is possible to power not only the flash but also the 12-volt 50-watt halogen modelling lamp.

A new, fully-charged 12 V/55 Ah automobile battery should have sufficient capacity to run the flash tubes and halogen lamps of two Profilite units for about two hours.

IMPORTANT

When working with batteries, resp., accumulators, it is essential that the correct + – polarity is observed.

A fuse (26) is provided to protect the apparatus from faulty operation. Only use fuses of the correct type. If a fuse repeatedly blows, have the entire apparatus checked by your authorized service station.

D – Switching on and controlling the power

The various operating modes which can be selected on the Profilite power pack (3) are the same when powered by batteries or mains. The symbols around the rotating switch (27) indicate the following functions:

Position I = On
Position II = Off

The other rotating switch (28) selects the power and controls the halogen lamp as follows:

☉ - Position A = flash, full power
☉ - Position B = flash, half power
☉ - Position C = flash and halogen lamp at full power
☉ - Position D = flash and halogen lamp at half power

After the apparatus has been switched on, the „ready” light (29) will glow after about 3 seconds. It is ready to fire. A test flash can be triggered by means of the manual release button (30). In positions C and D, the halogen modelling lamp will burn and the light can be measured, since it is proportional to the flash output. You are reminded not to use the positions C and D when the studio flash-head (1) is mounted in combination with the DC

converter (18) and batteries/accumulators, since the latter do not have the capacity to supply halogen lamps of this type with sufficient power (See also A 1).

E – Synchronization/Slave cell

Synchronization of the Profilite with the camera takes place by means of the sync socket (31) into which the coiled sync cable (43) should be inserted. This cable is then connected up to the sync socket of the camera. In conjunction with leaf (central) shutters, any shutter speed may be selected, but in the case of focal plant shutters the minimum shutter speed stipulated by the camera manufacturer should be heeded.

If several Profilite units are in use, it is only necessary to synchronize (by cable) the unit which is nearest to the camera. The others may be triggered via the built in slave cell (33).

Note:

When the Profilite is used in the presence of other photographers with flash, the slave cell (33) can be switched off by pushing it in. Pressing it once again causes it to pop up, and then it is ready again to receive a triggering flash.

F – Mounting the lamphead

If the Profilite is to be used in a studio, it can be mounted directly onto any lighting stand or tripod which has a 3/8” thread by means of the threaded socket (32).

Whenever the Profilite is to be used for action photography on the camera, it is first necessary to screw the handgrip (34) via the screw (35) into the socket of the Profilite (32). The camera bracket

(36) is then screwed to the handgrip (37 into 38). The camera can then be mounted on the screw (39).

G – Interchanging accessories:

The rapid-change bayonet (8) of the studio flash head assembly is designed to accept the normal reflector, the 8-cm diam. honeycomb filter, the snoot as well as the Multilite 40. The colour filter holder is attached in front of the honeycomb filter. The broly recepticle (9) holds umbrella-type reflectors which have rods up to 8 mm in diam. Only use these reflectors in conjunction with the normal/standard reflector.

Diffusing screens or barndoors are snapped into place in front of the normal reflector.

H – Changing the halogen lamps

Switch off apparatus and pull out the plug from mains. Pull out defective halogen lamp (40) to the front and insert new 12 V/50 W lamp. Do not touch the quartz envelope of the lamp with your bare fingers!

Technical specification of the Profilite-Studio			
Output			
Guide No. for 100 ASA With normal, silver reflector	ft/m	164/50	118/36
12-V halogen modelling lamp (Proportional to flash output)	w	50	25
Flash recycling time (According to DIN 19011)	sec.	1.9	0.9
Flash duration at t = 0.1	sec.	1/400	1/600
Colour temperature of flash tube (UV corrected)			5600° K
Mains voltage (50-60 Hz) Connected load	w		220 150
Dimensions (excluding reflector)	cm		10x17x25
Weight	kilo/lb		2.2/4.8
Technical specification of the Profilite-Report			
Output		1/1	1/2
Guide No. for 100 ASA with reporting reflector at angle of emission of	ft/m	196/60	137/42 50°
Flash recycling time (According to DIN 19011)	sec.	1.9	0.9
With 8 NiCad accum of 1.24 V	sec.	3.6	1.8
With 8 alkaline batteries of 1.5 V	sec.	7.6	3.8
Number of flashes with 8 NiCad accum.		180	360
Number of flashes with 8 alkaline batteries		180	360
Flash duration at t = 0.1	sec.	1/400	1/600
Colour temperature of flash tube			5600° K
Dimensions	cm		10x17x20
Weight (excluding battery pack)	kilo/lb		1.5/3.3



