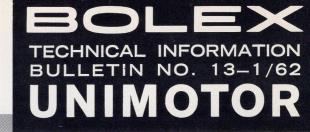
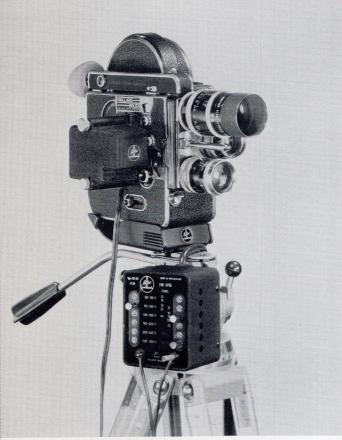
UNIMOTOR AND TRANSFORMER

PAILLARD Incorporated, 100 Sixth Avenue, New York 13, New York





Bolex Transformer and Unimotor on H-16 Rex camera.

The Bolex Unimotor enables filming an entire 100-foot reel of film without stopping, and is therefore, the ideal accessory whenever long sequences have to be filmed. It also enables remote operation of the Bolex H camera when it is desired or necessary for the operator to be away from the camera. (Wildlife, for example).

The Unimotor is designed for quick and easy mounting and removal from the camera. The regular spring winding handle is removed by turning it clockwise and the Unimotor is screwed in the same shaft by means of a large knurled screw. A plastic transparent dial knob, included with the motor, is mounted over the speed dial on the camera and makes turning the dial easier. The motor drives the camera through the rewind shaft (which in one full turn exposes 8 frames on the H-16 and 16 frames on the H-8) by means of a completely flexible shaft which prevents damage to the rewind shaft of the camera and makes possible the use of the motor on any Bolex H-8 or H-16 camera including the older models with outside or without a frame counter. The motor can also be used on the H-8 and H-16 Rex but it is necessary to remove the Rexofader.

The camera can be started and stopped by means of the electrical switch in the motor or on the extension cord. In this case, the spring motor must first be disengaged by pushing motor lever (MOT) completely towards "O" and the starting button must be locked at "M" as is necessary for rewinding film. When the camera is operated this way, starting and stopping is not instant and the shutter may stay open at the end of a scene resulting in a completely blank frame. Editing is therefore necessary between scenes.

The Unimotor is equipped with a friction clutch allowing the motor to run while the camera is stopped. This means that instant starting and stopping can be obtained with the release button on the camera or a Bolex H cable release, thereby eliminating overexposed and blank frames in between scenes.

Furthermore, the Bolex Unimotor can be used for single frame filming thereby permitting time lapse studies over an entire 100' roll of film without the necessity of rewinding the spring-motor in the camera. For time lapse sequences not exceeding 15 minutes, the Unimotor is simply turned on at the beginning of the sequence and turned off at the end. For longer cycles, the Unimotor must be turned on and off before and after each exposure and is, therefore, connected to the time lapse control unit in the same way as photofloods. The Bolex transformer is placed between motor and output of the control unit.

The running speed of the camera is adjusted on the speed dial as for filming with the spring motor. Depending on the speed, the Unimotor is connected to 2 to 5 regular 6 V 0.5 dry-cell batteries (Burgess F4P1, Eveready #744 or similar) as follows.

	H-8	H-16	NUMBER OF
	CAMERA	CAMERA	BATTERIES
FILMING	12 to 16 f.p.s.		2 (12 V)
SPEEDS	18 to 32 f.p.s.	12 to 16 f.p.s.	3 (18 V)
	48 f.p.s.	18 to 24 f.p.s.	4 (24 V)
	64 f.p.s.	32 f.p.s.	5 (30 V)

The Bolex Unimotor is not designed for use at speeds above those indicated on the above chart. When the Unimotor is used on the H cameras with built-in variable shutter, the Rexofader must be removed and the fades and dissolves be made manually.

Since it is not recommended to film in reverse, the Bolex Unimotor runs forward only and cannot be modified for reverse operation. The Unimotor can be operated from a distance of 150 feet or more by using additional cords between batteries and motor.

The life of a set of batteries depends mainly on the time period within which they are being used since batteries deteriorate even when they are not being used. If used within a relatively short time, they should last for at least 10,000 feet of film. The drain of the motor is about 0.5 A.

The starting torque is $21 + \frac{21}{4}$ oz/inch.

Although there is little danger of electrical sparks from the motor when used with a transformer and grounded, we cannot guarantee it to be explosion proof.

A leather case for convenient carrying of motor and five batteries is available as an accessory.

Paillard does not manufacture a synchronous motor but such are made by various other companies.

WEIGHT: SIZE

motor only 1 lb. 6 oz. motor $3\frac{1}{2}$ "x3"x2 $\frac{1}{2}$ " case with batteries: 8 lbs. case: $10\frac{1}{2}$ "x6"x5"

THE BOLEX TRANSFORMER

The Bolex Unimotor can also be operated on AC current from 90 to 300 V, 50 or 60 cycles, by means of the Bolex Transformer (output maximum 0.6A). It drives the H-8 cameras at speeds from 12 to 48 f.p.s. and the H-16 cameras at speeds from 12 to 32 f.p.s.

WEIGHT: 1 lb. 8 oz. SIZE: 3\(\frac{3}{4}\)"x3"x2\(\frac{1}{2}\)"