

Instructions



TRAVELITE

Operating Manual for the 750 and 375

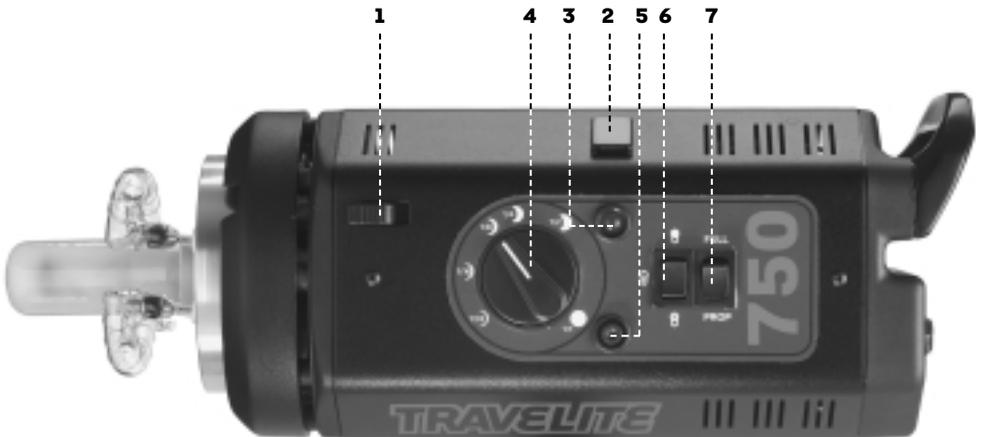
Figure 1

- 1 Fuse Drawer (With Spare Fuse)
- 2 AC Connection
- 3 Sync Socket
- 4 Power On/Off Switch
- 5 Photocell On/Off Switch



Figure 2

- 1 Accessory Release Lever
- 2 Photocell Cover
- 3 Flash-Ready Indicator
- 4 Flash Power Control Knob
- 5 Test/Open Flash
- 6 Modeling Lamp Control Switch (Intermittent/Off/Continuous)
- 7 Modeling Lamp Power Switch (Proportional/Full)



Congratulations on Selecting Calumet's Travelite!

We would like to welcome you to the worldwide family of Bowens/Calumet flash equipment users. We are confident that you will enjoy your new monolight system along with its extensive range of lighting accessories.

Safety Notes

The Travelite must not be used in an environment where moisture or flammable vapor is likely to come in contact with the unit. A fire hazard exists if flammable materials are placed in close proximity to either the flash tube or modeling bulb while the unit is in use.

- The charging and modeling circuitry of the Travelite is protected by a 10A (T) 20mm fuse that is mounted on the rear panel (Fig. 1.1). Disconnect the power supply before changing the fuse. Never replace with a fuse of a different rating. A spare 10A (T) fuse is fitted in the fuse drawer.
- Before changing a fuse, modeling bulb or flash tube, switch the unit off and disconnect the power supply.
- Do not restrict air vents while in use.
- The reflector and front end of the unit can become very hot. Caution must be exercised while handling equipment that has been in use.
- Due to the high voltage and high energy used by the Travelite, all repairs must be carried out only by an authorized Service Center.

Instructions

Fitting the Modeling Lamp

Switch the unit off and disconnect from power supply. Screw the modeling lamp into the medium screw-base lamp socket.

Note: It is recommended that a Photoflood or Halostar bulb with a maximum wattage of 275w is used on the Travelite units. The manufacturer will not accept liability for the use of any lamp with a rating exceeding 275w.

Power Supply Connections

Use the AC cable supplied to connect to the electrical supply. (117V AC 60Hz)

Power On/Off Switch

The green illuminated Power On/Off switch (Fig. 1.4) on the rear panel controls the power to both the flash and the modeling lamp. Setting the switch to "I" turns the unit on and "0" turns the unit off.

Flash Power Selection

The flash power output is variable over five f/stops from full to $\frac{1}{32}$ of power. The full-stored energy of the Travelite gives a Guide Number of 350 in feet (106m) for the 750w/s unit and 220 in feet (67m) for the 375w/s unit, using a 50° Keylite Reflector and 100 ISO film. The power settings ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$ and $\frac{1}{32}$) are marked on the panel by moon phases and figures.

Rotating the Flash Power Control (Fig. 2.4) from full to $\frac{1}{2}$, $\frac{1}{2}$ to $\frac{1}{4}$, $\frac{1}{4}$ to $\frac{1}{8}$, $\frac{1}{8}$ to $\frac{1}{16}$, $\frac{1}{16}$ to $\frac{1}{32}$ reduces the power output by one f/stop for each step.

Charge

When first switched on, the green illuminated Power On/Off switch (Fig. 1.4) will light. When the unit has recycled to the level set by the Flash Power Control, (Fig. 2.4) the green Ready Indicator (Fig. 2.3) will light. Your Travelite is now ready to flash.

Synchronization

There are several ways to trigger the Travelite:

Test/Open Flash (Fig. 2.5)

For testing or multiple flash applications, push the Test/Open Flash button.

Sync Socket (Fig. 1.3)

The standard $\frac{1}{4}$ " jack-type socket on the rear panel of the unit may be used for direct connection to a camera set to "X" synchronization. This socket also accepts an Infrared Receiver, Omnicell or other remote triggering device.

Photocell (Fig. 1.5)

The Travelite's built-in switchable photocell enables the unit to be triggered by the flash from another flash unit or a small on-camera flash. The photocell is mounted behind the red transparent cover (Fig. 2.2) on the top of the unit.

Modeling Lamp Control (Fig. 3)

To turn the modeling light off, turn the Modeling Lamp Control Switch (Fig. 2.6) to the central position. With the Modeling Light Control Switch set to Intermittent, the modeling light will go out when the unit is flashed and come back on when the unit returns to ready. This enables the photographer to see from the camera position that all the Travelite units in use have fired. With the switch set to Continuous, the modeling lamp remains on. In addition to these lamp functions, the unit can also be set to Full or Proportional on the Modeling Lamp Power Switch (Fig. 2.7). This allows the unit to have the modeling lamp set to full power or be varied in ratio with the flash power output by using the Flash Power Control Knob (Fig. 2.4).

Fuse (Fig. 1.1)

Modeling and flash circuitries are protected by a single 10A (T) 20mm fuse mounted on the rear panel. Never replace the fuse with one of a different rating. In case the fuse blows when the modeling lamp fails, be sure to check the fuse when replacing the bulb. A spare fuse is supplied in the fuse holder. Always switch the unit off and disconnect it from the power supply before changing the bulb or fuse.

Mounting or Removing a Reflector

A range of reflectors is available for the Travelite units. To mount, simply slide the neck of the reflector over the front of the unit. Align the three pegs on the reflector with the three slots in the retaining ring, press down and turn clockwise to lock.

- To remove reflector, push the Accessory Release Lever (Fig. 2.1) towards the rear of the unit. Turn the reflector fully counter-clockwise and withdraw.
- To use the Travelite with an umbrella, mount the Wide Angle Umbrella Reflector. Then insert the umbrella through the hole located on the reflector's mounting bracket and lock into position with the knurled screw.

Note: Due to its delicate nature, handle the flash tube with special care while mounting or removing reflectors. Always switch the unit off and disconnect from the power supply before changing the flash tube assembly.

WARNING: HIGH VOLTAGE

Do not touch the flash tube assembly for 30 minutes after disconnecting from the power supply.

Replacement of a Flash Tube

Make sure that the unit is switched off and disconnected from the power supply. After disconnecting the unit, wait 30 minutes before touching the flash tube. After a half hour has passed, remove the protective cap and unwind the twisted trigger wire from the flash tube support.

- Carefully pull the flash tube assembly out of the unit. Then grip the replacement assembly (Fig. 4) and match the two brass sockets with the plugs located in the front of the unit. Gently but firmly, push the flash tube into position and wind the trigger wire around the flash tube support.
- Always replace with the correct flash tube assembly: CE-1020 for clear or CE-1022 for UV-coated.

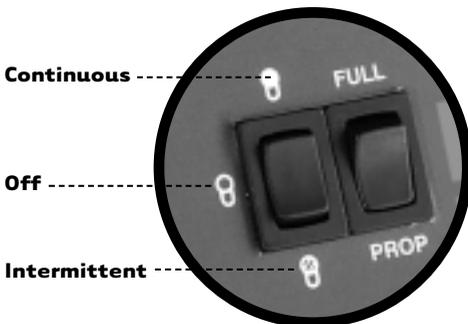


Figure 3



Figure 4

Operation

Switch the unit on and set the Photocell and Modeling switches as required. Set the Flash Power control to the required level. When the unit has recycled, the green Ready Indicator (Fig. 2.3) will light. Plug in the sync cord and connect to camera shutter at “X” synchronization. You could also use the built-in Photocell or plug in an Infrared Receiver or Omnicell. The Test/Open Flash button should also be pressed after the flash power setting has been reduced to ensure that the next flash is set at the required power.

Mounting

The mount on the “L” bracket allows the Travelite to be mounted two different ways onto a stand or other support (Fig. 4). If your light needs to be pointed downward, method B is recommended.



A



B



Unit Specifications

Unit	Travelite 750	Travelite 375
Stored Energy (Max.)	750w/s	375w/s
Recycle Time (Full Power 117V 60Hz)	2.1 seconds	1.7 seconds
Supply Voltage AC	95-130 VAC 60Hz	95-130 VAC 60Hz
Voltage Stabilization	+/- 1%	+/- 1%
Modeling Lamp	Max. 275w	Max. 275w
Ready Indication	100%	100%
Fuse	10A (T)	10A (T)
Sync Volts	15V	15V
Photocell	On/Off	On/Off
Modeling Power Control	Intermittent, Off or Continuous Full or Proportioned with Flash	Intermittent, Off or Continuous Full or Proportioned with Flash
Guide Number: Full Power, 50° Keylite, ISO 100	350 in feet (106m)	220 in feet (67m)
Flash Duration (Full Power) T=0.5	1/600	1/900
Flash Color Temperature	Approx. 6100 K (uncoated as standard)	Approx. 6100 K (uncoated as standard)
Flash Power Control	Full to 1/32, (5 f/stops fully variable)	Full to 1/32, (5 f/stops fully variable)
Recommended Modeling Lamps	250w 120V Halostar 275w 120V Photoflood	250w 120V Halostar 275w 120V Photoflood
Flash Tube Assembly	Clear CE-1020 (as standard) UV-Coated CE-1022	Clear CE-1020 (as standard) UV-Coated CE-1022
Dimensions	15 1/4(l) x 6 1/2(w) x 5(h)" (385 x 170 x 125mm)	15 1/4(l) x 6 1/2(w) x 5(h)" (385 x 170 x 125mm)
Weight	7 1/2 lbs. (3.4kg)	6 3/4 lbs. (3.1kg)

Due to our policy of constant product improvement, Bowens International reserves the right to change equipment specifications without notice.

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