

Travel-Pak

BW7630 - Unit Only
BW7631 - Starter Kit
(Includes Unit, Case, Charger & Lead).

Travel-Pak+

BW7637 - Unit Only
BW7638 - Starter Kit
(Includes Unit, Case, Charger & Lead).

TRAVEL-PAK & TRAVEL-PAK+
USER GUIDE BWL-0375/2 (07/06)
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TRAVEL PAK & TRAVEL PAK+



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Due to our policy of constant product improvement, BOWENS International Ltd reserves the right to change equipment specifications at any time and without notice.

OPERATING INSTRUCTIONS

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	Travel-Pak BW-7630	Travel-Pak+ BW-7637
Weight	4.1kg including bag and strap.	5.5kg including bag and strap.
Length	180mm	180mm
Width	120mm	155mm
Height	130mm (175mm inc handle.)	130mm (175mm inc handle.)
Typical Charge Time	2A charger - 3 hours approx.	2A charger - 5 hours approx.
Circuit Protection	Non-user replaceable 20A Fuse.	
Charge Capacity	7AH 12V Sealed Lead Acid. Maintenance Free.	12AH 12V Sealed Lead Acid. Maintenance Free.
Typical Flash Capability	50 @ Max rate before thermal cut-out.	
Typical Flashes	One Flash Unit	
	Travel-Pak 400 @ 250WS 300 @ 375WS 200 @ 500WS 150 @ 750WS	TravelPak+ 800 @ 250WS 600 @ 375WS 400 @ 500WS 300 @ 750WS
Water Resistance	Two Flash Units	
	Travel-Pak 200 @ 250WS 150 @ 375WS 100 @ 500WS 75 @ 750WS	Travel-Pak+ 400 @ 250WS 300 @ 375WS 200 @ 500WS 150 @ 750WS
3 Inches from base		
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Accessories



Travel-Pak Battery
Booster BW-7635



12V Universal 2A
Charger BW-1227



Flash Head Connector
Lead BW-7632

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Typical Flashes

Number of Flashes 500Ws @ 30sec	Battery Voltage (V)	Battery Condition Monitor	Charge Time (Seconds)
TP	TP+		
0	>12.2 Good	Green	4.5
100	>11.6 Medium	Yellow	4.9
150	>11.2 Low	Amber	5.0
180	360 <9.0 Flat	Red	13.4 (Fast Disabled)
200	400 <9.0 Flat	Red	13.9 (Fast Disabled)

Your Travel-Pak unit should not be allowed to fully discharge as this may significantly reduce future operating times of the battery and the Travel-Pak, this is why your unit will automatically disable the fast charge feature at the low end of the batteries charge. It is also not recommended to keep using your unit when the red battery indicator is showing. The Travel-Pak will keep going into low battery mode, this can be temporarily removed by switching off and back on, before the 10min recovery time has elapsed.

The Travel-Pak is also equipped with a thermal cut-out, the cut-out will only engage in extreme use. Your Travel-Pak will safely do 100 flashes at moderate rate without ever overheating. The following table should be used as a guide only:

Flash Rate In Seconds	Max number of flashes before overheat
10	56
20	115
30	200

The sleep feature of the unit is not optional. If your unit is left without use for longer than 10 minutes, it will enter power saving mode, this is indicated by the charge A & B socket indicators (see display indication section Page 7)
To recover from power save mode change the position of the fast/slow switch.

Contents of Carton

- Travel-Pak in fabric shoulder bag including water resistant moulded insert.
- 1 x 2A Battery Charger
- 1 x Esprit Gemini connection cable with attached dummy plug.

- 1 x Travel-Pak User Guide
- 1 x Safety Leaflet
- 1 x Registration Card.

Additional items may be supplied for use in specific regions.

Introduction

Dear Valued Customer,

Thank you for choosing the Bowens 'Travel-Pak' Battery Power Unit.

The Travel-Pak has been designed using the latest technology to produce a unit that is simple to operate, yet has a powerful, highly controllable and accurate output..

There are many accessories for the Travel-Pak and Esprit Gemini. For details of all related products, please contact your local distributor, a list of which can be found at www.bowens.co.uk.

In order to obtain the full benefit from your purchase, please take a few moments to familiarise yourself with this user manual.

Thank you.
Bowens International Ltd.

Safety Notes

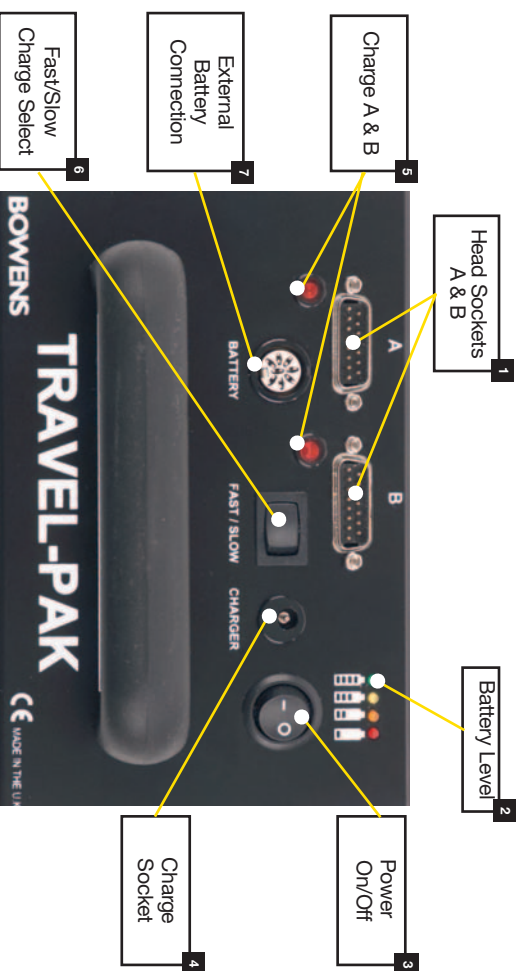
NEVER - Plug an Esprit Gemini into a mains supply and a Travel-Pak at the same time.

DO NOT:

- Use in an environment where moisture or flammable vapor is likely to come in contact with the unit.
- Charge a Travel-Pak in a gas tight container.
- Use a unit with damaged housing, mouldings, flash tube or modelling lamp.
- Attempt to replace the internal 20A fuse. This should only be carried out by an authorised Bowens service centre.

ALWAYS:

- Switch power off and disconnect from any flash unit before changing modelling bulbs or flash tubes.
- Only fit Bowens approved equipment to the Travel-Pak
- Allow at least one hour for the Travel-Pak to stabilise at room temperature, especially when moving the unit from extremes of temperature and humidity.
- Avoid placing cables where they can be tripped over. Protect from heavy, sharp or hot objects, which may cause damage and replace damaged cables immediately.
- Due to the high voltage / high energy used in Travel-Pak units, all servicing must be carried out by an authorised Service Centre.
- If the unit is dropped or damaged in any way, always have it checked out before using.



1. Head Socket

The Travel-Pak can power one or two Esprit Gemini Flash Heads.

2. Battery Level Indicator

Shows from maximum to low charge.

3. Power Switch

To turn the unit on or off.

4. Charge Socket

Use supplied 2A charger for approx 3 Hours charge (5hrs for Travel-Pak+). Use only Bowers approved chargers or permanent damage to your unit may result.

For best results keep your battery fully charged and do not fully discharge it.

5. Charge A & B

Indicates power being supplied to channel A or B in normal use, also indicates charge errors (Page 7). It is normal for the unit to supply a long period of charge then very small amounts of top up charge.

If two units require charge at the same time one

may be charged fully before the other.

may be charged fully before the other.

6. Fast/Slow Select
If Fast charge is selected a 500Ws unit will charge to full power in approximately 4.5 Seconds

If Slow charge is selected it will charge a 500Ws unit in approximately 9 Seconds.
The use of the fast mode will reduce the life of the internal battery. It is recommended to use the Slow charge select whenever possible.

Note: The fast charge feature is disabled when the battery is low on charge. When the red battery indicator starts to show, the unit will take longer to come to ready. If fast charge is still required, recharge the battery or connect an approved external battery source.

7. External 12V

Gives a direct connection to the internal battery, not current limited or regulated. (See Battery Booster page 11)

1. Check errors by red charge indicators. See page 7.
 2. Make sure when using one Flash Head the dummy socket is fitted.
 3. Make sure Flash Head power switch is set to position II for battery operation.
 4. Check Travel-Pak is switched on and Green Power indicator is showing.
 5. Power save mode activated. Change Fast/Slow switch to wake-up unit.
 6. Travel-Pak maybe overheated, allow unit to cool.
 7. Check connection cables and plugs are not damaged.
1. My Travel-Pak appears not to be charging its internal battery
 1. Turning the unit off will allow the Travel-Pak to reach full charge faster.
 2. Check charger is located securely in charger and red lamp on charger is lit.
 2. My Flash Unit makes multiple beeps when Travel-Pak goes into sleep mode.
 1. You should always turn off Travel-Pak when left without being used, this will also improve the battery life.
 2. Turn off Esprit Gemini ready soulder.
 3. Fuse blows or supply trips when connecting mains socket and Travel-Pak cable.
 1. This is a safety requirement to protect from potentially unsafe conditions. If the Travel-Pak cable is connected and the mains supply at the same time an external circuit breaker may be tripped.
DO NOT OPERATE IN THIS MANNER.

Carry Bag Removal/Fitting



General Questions

- Q** My modelling lamp does not work when powered by Travel-Pak?
A The Travel-Pak is not intended to run the modelling lamp.
- Q** Can I leave Mains connected to monoblock while operating with Travel-Pak?
A No, DO NOT plug a mains lead in at the same time as a travel-Pak.
- Q** My old Esprit or Travelite does not have a 15-way battery connector, can I have one?
A The new Esprit Gemini range include new circuitry so it is not possible to upgrade older units.
- Q** I want to take my Travel-Pak out of its fabric bag is this ok?
A Yes its fine, be sure to replace the plastic water resistant insert when refitting (see page 9).
- Q** Can I change the rechargeable battery inside Travel-Pak myself?
A No. Due to the high voltage/energy used this should only be carried out by a Bowens authorised service centre.
- Q** I have two Gemini units connected to a single Travel-Pak: can I shorten their recycle times?
A You can lower their flash power settings or could buy another Travel-Pak for the second head. Fast charge will not be available at the low end of battery charge, therefore longer recycle times.
- Q** How can I maximise the number of flashes obtained?
A Try the following. Turn down the flash power, make the time between flashes longer, add the optional external battery booster. Use a second Travel-Pak to power a second unit. Use the slow charge option.
- Q** I hear a whistling noise when the unit is charging is my Travel-Pak developing a fault?
A No, the harder the Travel-Pak has to work the more obvious this will become. This will be more apparent when set to fast charge and the battery has low charge.
- Q** My unit will only do about 50 shots before cutting out, what is wrong?
A Your Travel-Pak has a thermal cut out to protect from very extreme operation.
- Q** I'm not going to use my Travel-Pak for a long while should I do anything ?
A You should charge the battery then ideally re-charge every 3 months.
- Q** I have an Esprit Gemini and one Travelite III can I use them at the same time on Travel-Pak ?
A Yes. Even though they require different mains voltage its fine.
- Q** Can I leave the battery charger connected to a Travel-Pak while using it?
A Yes you could. Although, if you have access to mains power use it to power your Flash head directly as recycle times will be improved. The green indicator on the charger may never show indicating full charge while switched on.
- Q** Can I charge my Travel-Pak in a foreign country ?
A Yes, The supplied battery charger has many standard plugs included and it will automatically adjust to the country voltage as required. 100V-240V, 50 or 60Hz.

Connecting Compatible Flash Heads

Single Esprit Gemini Connection.

A single Esprit Gemini unit can be fitted to either channel A or B with the Travel-Pak cable. Please ensure that the dummy socket is fitted to the unused socket.



Single Esprit Gemini Connection

Dual Esprit Gemini Connection.

Two Esprit Gemini units can be fitted to the A and B sockets with the Travel-Pak cable. In this set-up the dummy sockets are not used.



Dual Esprit Gemini Connection

1

Switch off the Travel-Pak.



The indicators flashing usually indicates normal charging. The following are only displayed in fault conditions.

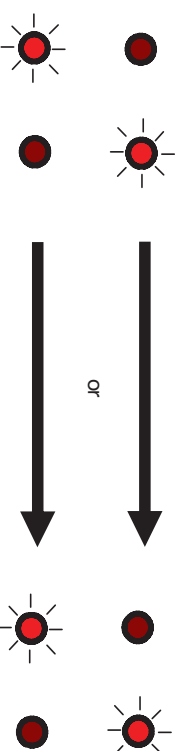
STEADY INDICATOR LONGER THAN 20 SECONDS

[Condition: Travel-Pak unable to supply charge]
Reason
 Dummy plug not fitted in unused socket.
 Thermal cut-out initiated

Suggested action
 Fit plug or connect a second Flash Head.
 Wait for Travel-Pak to cool.

2

Connect Esprit Gemini(s).



3

Fit Dummy Socket if required.



ALTERNATE FLASHING INDICATORS
[Condition: - Battery Voltage Too Low Wait 5mins for Auto Recovery]

Reason
 Battery too low for operation

Suggested action
 1. Wait for battery voltage to recover slightly
 2. Charge Battery (See Instructions).
 3. Fit Ext Battery (See Instructions).



4

Switch the Esprit Gemini to Position II.



The unit may be brought back sooner than 5mins by cycling the power switch, Travel-Pak should not be operated in this condition for longer than necessary.

FAST DOUBLE BLINK BOTH INDICATORS
[Condition: - Power Saving Model]

Reason
 Power Save after approx 10mins of low activity

Suggested action
 1. Change Either Head Selector Switch.
 2. Change Charge Mode Fast/Slow.
 3. Turn off then back on to reset Travel-Pak.



5

Switch on the Travel-Pak.



It is recommended not to leave your Travel-Pak for long periods of time, to wake up the unit change one of the monoblock power switched on either connected head or change the charge rate Fast/Slow switch. The Travel-Pak will recheck connected heads and resume charging again.