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Professional Broadcast Equipment

DC Adaptors

Models 9680, 9655 & 9637

SAFETY INSTRUCTIONS
Please read these instructions carefully before using the DC Adaptor.

The DC Adaptor is not intended for any use other than the powering of video cameras.

Low voltage DC input only. Do not connect to incorrect supplies (see Specification).

Do not disassemble. The electronics housing contains no user serviceable parts. Incorrect re-assembly may result in a safety hazard.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way or does not operate normally. In this event you should seek advice from your nearest PAG Dealer or direct from PAG Ltd., London, by telephoning +44 (0)20 8543 3131.

SPECIFICATION
Description: Low power converter for powering nominal 7.2V equipment from higher voltage batteries. Over-current protection is incorporated in the design.

Input Voltage: Minimum start-up voltage is set at 10.9V ± 0.1V with a 'drop-out' voltage 0.3V lower. Absolute maximum input voltage is 20V.

Input Connections:
Model 9680: PP90, centre pin neg.
Model 9655: XLR4, pin 1 neg. pin 4 pos.
Model 9637: D-Tap, 2-pin connector.

Output Voltage: 8.2V ± 0.2V.

Output Connections: refer to camera manufacturer's literature.

Output Current: 1.5A nominal. Surge currents up to 4.5A are permissible for short periods to cope with motor stall and start-up surges.

Over-current Protection: The regulator is protected against overload by a fold-back type current limiting circuit. Peak short-circuit current is typically 6A, folding back to 3A.

Ripple and Noise: High frequency switching eliminates interaction between scanning and power supply noise frequencies. Ripple amplitude is < 15mV at 1.5A output. Noise spikes are between 30mV and 100mV depending upon external connections.

Temperature Range:
Operating temperature: -10°C to +50°C.
Storage temperature: -55°C to +125°C.