



**Professional Broadcast Equipment**

## Paglight PowerMax Control with VariLux

Model No. 9958

Instructions For Use

### General

The Paglight PowerMax is a direct plug-in replacement for the standard halogen lampholder, and incorporates a voltage control circuit.

On-board halogen lamps, typically specified for 12V operation, are usually over-run with 13.2V or 14.4V camera batteries. For example, a 100W 12V lamp powered from a 14.4V battery will consume 150W. This results in dramatically reduced run time and shortened filament life.

The PowerMax unit efficiently regulates the voltage at the lamp base to 12V, regardless of battery voltage. This gives a constant and correct colour temperature whilst extending battery run time by as much as 25%, and dramatically improving lamp filament life.

Paglight PowerMax can be used with all PAG 12V halogen lamps.

### VariLux

Additionally, the PowerMax incorporates VariLux, which enables sophisticated control of camera light output, and further conserves battery power. The adjusting knob features a detent which corresponds to the standard 12V setting, and the output can be varied above or below this value as required.

### Safety

These instructions contain important safety and operating information. Please read these fully before using the light.

Please refer to the Paglight handbook for further information.

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

The lamp operates at high temperature. Water or damp atmospheres could cause the lamp to rupture forcibly.

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

Do not obstruct the cooling vents or operate near combustible materials. Allow the PowerMax to cool before storage.

Switch the Paglight off before removing or replacing the plug in lampholder. Allow the lamp to cool before removing it from the lampholder.

Do not insert a damaged or misaligned lamp into the Paglight.

Do not handle the lamp envelope directly.

If it is touched inadvertently, clean it with a lint-free cloth moistened with spirit.

### Specification

**Input Voltage:** Maximum 20V DC.

**Detent Voltage:** Regulated 12V DC nominal.

**Adjustment Range:** 10.5V to 13.5V nominal.

**Maximum Consumption:** 100W nominal.

**Circuit Protection:** The PowerMax unit is protected against over-current and over-temperature.

## Changing Halogen Lamps

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**IMPORTANT:** First turn the lamp OFF.

Press the release button, and gently withdraw the lampholder to the rear.

Replacement is the reverse of this process.

The quartz lamp is a push fit into the lampholder.

Do not twist or bend the legs when removing or replacing.

Do not handle the lamp envelope directly. If it is touched inadvertently, clean it with a lint-free cloth moistened with spirit. Finger marks cause hot spots in the lamp, leading to reduced life and possible rupture of the glass.

Remember that the lamp may be very hot. In the interests of safety, the lamp should be placed in a PAG Lamp Protector immediately following withdrawal from the light. The tube will also protect the lamp during storage and transportation.

## Service

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If a fault develops, do not disassemble the light or its ancillaries. The electronics assemblies do not require periodic maintenance, and contain no user serviceable parts. Unqualified personnel should not attempt further investigation. Any such interference will invalidate the guarantee and may cause more damage than the original fault. Incorrect reassembly may give rise to a fire hazard as a result of the high currents that flow during normal operation.

In order to maintain the PAG build standard for which this product was originally selected, seek advice from your nearest PAG Dealer or direct from PAG Ltd., London by telephoning +44 (0)20 8543 3131.