

PAG 

DV SOLUTIONS



Did you know?

- ▶ PAG is a leading manufacturer of professional video camera batteries, battery chargers and camera lights, with a reputation throughout the world for **excellence**, based on the **quality**, **reliability** and **performance** of its products.
- ▶ PAG has been making products for the film industry, broadcast television, professional video industry, the military and civil authorities for **40 years**.
- ▶ PAG products can be frequently seen in action on **TV news bulletins** every night.
- ▶ PAG Limited is a **British** company, with a manufacturing facility and headquarters in South West London.
- ▶ PAG's renowned **Research & Development Department** is responsible for developing world-leading technology such as:
Power for the first 'portable electronic' cameras.
Fast-charging for video camera batteries and power tool batteries.
Run-Time displayed in the camera viewfinder and on the battery.
Camera lights with interchangeable lamp units.



- ▶ PAG Ltd.'s Quality Assurance System is independently accredited to **ISO 9001:2000**, a coveted standard that assures strict quality control at every level.
- ▶ PAG offers full service support during a product's lifetime, and has a **Service Department** at its London address.
- ▶ PAG has an international network of authorised service centres which ensure the continuation of the **PAG quality standard**.

Contents

PAG DV Solutions Product Guide

PAG DV Solutions Over-View 3

12V Power And Lighting System 5

DC Adaptors / PAGlok Connectors 6

PAGlok Power Adaptors 7

Batteries & Chargers 9

Paglight M 11

Paglight M Accessories 15

6V Power & Lighting System 19

6V DC Adaptors 20

Paglight C6 21

Paglight C6 Accessories 25

PAG Orbitor Camcorder Support 29

PAG X1 Camcorder Support 34

Orbitor Accessories 35

DV Accessories 36

Cartoni Tripods 36

Chrosziel Matteboxes 37



JVC GY-HD100

PAGlok Power Adaptor

PAG L95 Li-Ion Power Circle Battery

Paglight M PP90

Paglight M Accessory Kit

PAG Orbitor Camcorder Support

PAG DV SOLUTIONS

POWER, LIGHT and SUPPORT for hand-held DV & HDV camcorders

Welcome to the PAG DV Product Guide.

This guide contains information about PAG's DV Products, and how they work together. It also provides tips that will help you get the most from using them.

POWER

- ▶ PAG's **DC Adaptors** enable 7.2V camcorders and on-board camera lights to be powered from professional battery packs or belts. There are two systems: one utilises 12V to 14.8V batteries or belts and the other utilises the 6V battery supplied as part of the **Paglight C6** kit.

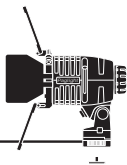
LIGHT

- ▶ PAG's miniature 12V on-board camera light, **Paglight M**, is designed for DV but, incorporates professional features which make it the best camera light in the industry.
- ▶ PAG offers an economical 6V power and lighting solution, **Paglight C6**, which is ideal for those who do not already own 12V batteries or lighting systems.

SUPPORT

- ▶ PAG has designed and manufactured two shoulder-mounted camcorder support options, **The PAG X1** and the **PAG Orbitor**, to suit any camcorder and any budget.

12V System



Paglight M 12V
DV Camera Light
Model 9001L



Battery Port

PAG DC Adaptors
for other camcorders
are also available.



DC Adaptor PP90
Model 9680/-

DC Adaptor
XLR-4 (M)
Model 9655/-



PAGlok
Belt Clip
Model 9522/60

Suitable for 12V to 14.4V Pagbelt
IC2 and Powerman batteries.
The dual output of Pagbelt IC2
enables you to power Paglight M
via Power Base XLR-4 (M).



PAG 12V SYSTEM

- ▶ PAG's 12V system for powering DV and HDV camcorders centres around the combination of a **DC Adaptor** and a **PAGlok Battery Connector**, which enables the 7.2V camcorder to be powered from 12V to 14.8V professional PAGlok batteries.
- ▶ In most cases, one end of the DC adaptor plugs into the battery port of the camcorder, and the other end plugs into the power port of the PAGlok Connector. The PAGlok Connector, which accepts any PAGlok Battery, incorporates a belt clip, enabling it to be worn on a trouser waistband or belt.
- ▶ Some camcorders require a PAGlok Connector with a built-in DC Adaptor, which mounts to the back of the camcorder (this is true of the JVC HD100 & Canon XL-H1).
- ▶ An alternative option is a DC Adaptor that incorporates an XLR-4 connector in place of the PP90. This option can be used to power the camcorder from a 12V to 14.4V Pagbelt IC2 battery belt or a PAG Powerman battery (*see www.paguk.com for product details*).
- ▶ Each power option provides an output that can be used to power a 12V **Paglight M**. The Paglight M is the ideal 12V DV lighting solution, its features closely match those of the Professional ENG Paglight, and its proportions complement perfectly those of smaller digital camcorders.
- ▶ When using either of PAG's shoulder-mounted camcorder support options - PAG X1 or PAG Orbitor - the PAGlok Connector can be secured to the back plate, in place of the counterbalance weight, via the screw holes provided.

12V DC Adaptors & PAGlok Belt Clip

Always state the make and model of your camcorder when ordering.



DC Adaptor PP90

Model 9680/-

Enables you to power a 7.2V camcorder and a 12V Paglight M with PAGlok batteries via PAGlok Belt Clip 9522/60. *(For JVC HD100 and Canon XL-H1 see PAGlok Power Adaptors opposite).*



DC Adaptor XLR-4 (M)

Model 9655/-

Enables you to power a 7.2V camcorder and a 12V Paglight M via the XLR-4 (F) output of 12V to 14.4V Pagbelts or Powerman batteries. *(Not available for JVC HD100).*



PAGlok Belt Clip

Model 9522/60

PAGlok Connector with dual PP90 output and belt clip. For use with DC Adaptor 9680/-. *(Suitable for Sony Z1, PD170, PD150, DSR200, Canon XL1, XL2, Panasonic AG-DVX100E, AG-HVX200).*

PAGlok Power Adaptors

Always state the make and model of your camcorder when ordering.



PAGlok Power Adaptors feature a lightweight battery connector that fits to the back of the camcorder and incorporates a built-in DC Adaptor (12V to 7.2V) and PP90 light output.

9522/75 PAGlok Power Adaptor for JVC HD100



9522/75F PAG Firestore Bracket for JVC HD100



9522/77 PAGlok Power Adaptor for Canon XL-H1

PAG 12V DC Adaptor Guide (by camcorder):

Sony HDR-FX1-Z1:

9680/05 12V to 7.2V DC Adaptor PP90.

9655/05 12V to 7.2V DC Adaptor XLR-4.

JVC GY-HD100:

9522/75 PAGlok Power Adaptor

12V to 7.2V DC, 1 x PP90 output.

Canon XL-H1:

9522/77 PAGlok Power Adaptor

12V to 7.2V DC, 1 x PP90 output.

9655/01 12V to 7.2V DC Adaptor XLR-4.

Panasonic AG-DVX100E, AG-HVX200:

9680/04 12V to 7.2V DC Adaptor PP90.

9655/04 12V to 7.2V DC Adaptor XLR-4.

Canon XL1, XL2:

9680/01 12V to 7.2V DC Adaptor PP90.

9655/01 12V to 7.2V DC Adaptor XLR-4.

Sony PD150, PD170:

9680/03 12V to 7.2V DC Adaptor PP90.

9655/03 12V to 7.2V DC Adaptor XLR-4.

Sony DSR200:

9680/02 12V to 7.2V DC Adaptor PP90.

9655/02 12V to 7.2V DC Adaptor XLR-4.

*For other camcorders contact PAG Ltd.
for availability: 020 8543 3131.*

PAG BATTERIES

PAG DC Adaptors enable you to use a variety of professional PAGlok batteries to achieve longer run-times for DV and HDV camcorders.

- ▶ PAG batteries are the **most advanced** in the industry.
- ▶ Their **quality** and **safety** standard is unsurpassed.
- ▶ They are manufactured to withstand the strains and stresses of use in the harshest environments, and to **perform consistently** over their natural lifetime.
- ▶ PAG uses only the **highest quality components** in the construction of its products.
- ▶ **Safety, reliability** and **durability** are the prime concerns, from conception to final assembly.
- ▶ The internal **protection circuits** of PAG Li-Ion batteries prevent the misuse that results in shortened battery life.
- ▶ The key to extended battery life lies in the charging. PAG chargers are the most advanced **microcomputer-controlled** systems available. The **PAG ACS** software that controls the charging process will extend the working life of your batteries.



PAG Batteries & Chargers

See www.paguk.com for the full range of PAG batteries and chargers.



PAG L95 Power Circle Battery
14.8V 6.5Ah 95Wh

Model 9335

Provides extended run-time for camcorder and 12V camera light. Incorporates the Power Circle Capacity Indicator.



PAG C50 Cobalt Battery

14.4V 50Wh

Model 9386

Low-cost battery with a high-current draw capability. Incorporates a 4-LED electronic capacity indicator.



PAG Freelancer

Model 9613

2-channel, all-chemistry, low-cost charger, suitable for all PAGlok batteries.

PAGLIGHT M

A miniature 12V DV or HDV Camera Light with professional ENG features.



JVC GY-HD100

Paglight M PP90

Paglight M Accessory Kit

PAGlok Power Adaptor

PAG L95 Li-Ion Power

Circle Battery

- ▶ Cool-running
- ▶ Soft, even light
- ▶ Fully-focusable
- ▶ Quick and easy lamp changing

Registered Design No. 2071515

Patent No. 2335027

Professional Top-Light

The limited choice of high-quality, on-board camera lighting for the new smaller DV camcorders prompted PAG to develop a miniaturised version of its professional Paglight - the camera top-light that can be seen in action on TV news bulletins every night.



This broadcast-quality camcorder light incorporates many features of the larger, professional Paglight, including a focusable beam angle, a patented system that makes lamp changing quick and easy, and a detachable power base.

Designed to complement available light as a 'fill' or 'front light', the Paglight M will bring your images out of the shadows, add vibrancy to the colours and give your videos that professional touch.

Cool-Running

Paglight M is constructed from a glass-reinforced engineering polymer that provides strength and temperature stability. PAG's patented design ensures the Paglight M is cool-running and comfortable to handle during operation.

Fully-Focusable

The lamp head is fully-focusable, with a smooth transition from narrow to wide angle.

Tip: You can compensate for light loss over distance by 'spotting' or narrowing the beam angle using the lever on the side of the lamp head. Widening the beam angle will reduce intensity and 'soften' the light, in much the same way as using a dimmer.

Plug-in Lampholders

Paglight M features a patented plug-in lampholder system that makes changing a lamp quick and easy.



There is a choice of standard or Softstart lampholders available.

Both lampholders utilise 10W, 20W and 35W standard G4-size 12V halogen lamps. Wattage variants can be changed without the need to handle the lamp. When not in use, each lampholder can be stored in a heat-resistant polymer lamp protector. Lampholders are supplied with wattage identification labels.

Tip: Use a **Softstart** lampholder, when powering the light from a Li-Ion battery, to prevent the cold lamp start-up surge from activating the battery's over-current protection circuits.

Accessory Ring

An accessory ring can be fitted to the front of the light, which accommodates a dichroic filter, a diffuser and two barn doors. The assembly can be rotated 360° to achieve the desired position.



Tip: When filming in subdued light conditions, or poor daylight, it is all too easy to over-light your subject. In order to avoid this you can use the frosted **diffuser** to soften the light. You can also use it to soften the harsh shadows caused by a bright light source, such as direct sunlight. The spot-and-flood facility helps give you further fine control over soft light intensity.

Tip: When supplementing daylight with your Paglight M, the colour temperature must be corrected to match daylight. You can do this by using the **dichroic filter** to raise the colour temperature of the light output from 3200°K (halogen) to 5600°K (daylight). Colour temperature is a measurement of the colour of light, not the brightness.

Barn Doors

Barn doors are used to flag off unwanted light. They double as protectors for the glass filters when the light is not in use.

Softlight Diffuser and Filter Kit

This useful accessory fits onto the barn doors of the accessory kit and enables you to create super-soft lighting or special effects with colour gelatine filters.



Paglight M Power Bases

Paglight M incorporates a detachable, hot-shoe type power base with a ¼" Whitworth bush, and a flying lead terminated with a choice of connector (PP90 or XLR-4). The base can be mounted to your camcorder via the camera shoe plate or stud adaptor supplied with the light. For cameras without an accessory shoe PAG offers an Accessory Mounting Bracket (Model 1021) that can be fitted to the ¼" Whitworth bush on the camcorder base (*see Page 25*).



Paglight M Power Bases

Paglight M Options

Paglight M is supplied with a standard lampholder, a camera shoe plate and a stud adaptor. *Lamps (10W, 20W, 35W), Accessory Kits (diffuser, dichroic filter and barndoors), Softstart Lampholders, and Softlight Diffuser Kits are sold separately.*

Paglight M PP90

12V camera light with PP90 power base. For use with the PAGlok connector.

Model 9001 500mm lead.

Model 9001L 1.5m lead.

Paglight M XLR-4

12V camera light with XLR-4 (M) power base. For use with Pagbelt IC2 and Powerman batteries.

Model 9002



Paglight M Accessories

- 9007 Accessory Kit (dichroic, diffuser, barn doors and ring)
- 9008 Accessory Holder (ring only)
- 9009 Dichroic Filter (converts halogen to daylight)
- 9010 Diffuser (softens light output)
- 9011 Barn doors (pair)
- 9983 Softlight Diffuser Kit
- 9012 Power Base PP90 (500mm lead length)
- 9996 Power Base PP90 (1.5m lead length)
- 9013 Power Base XLR-4 (1.5m lead length)
- 9016 Standard Lampholder
- 9017 Softstart Lampholder
- 9018 Lamp 12V 10W G4-size
- 9019 Lamp 12V 20W G4-size
- 9020 Lamp 12V 35W G4-size
- 9021 Lamp Protector

Paglight M Accessories



9011 Barn doors (pair)



9009 Dichroic Filter



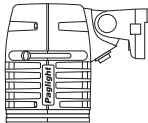
9010 Diffuser



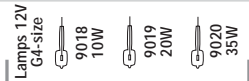
9008 Accessory Holder (ring only)



9007 Accessory Kit (dichroic, diffuser, barn doors and ring)



- 9983 Softlight Diffuser & Filter Kit
- 2 x Filter Holders
- 2 x Diffuser screens
- 2 x Full CT blue filters
- 2 x Half CT blue filters
- 2 x Half CT orange filters

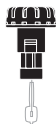


Lamps 12V G4-size

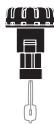
9018 10W

9019 20W

9020 35W



9017 Softstart Lampholder



9016 Standard Lampholder

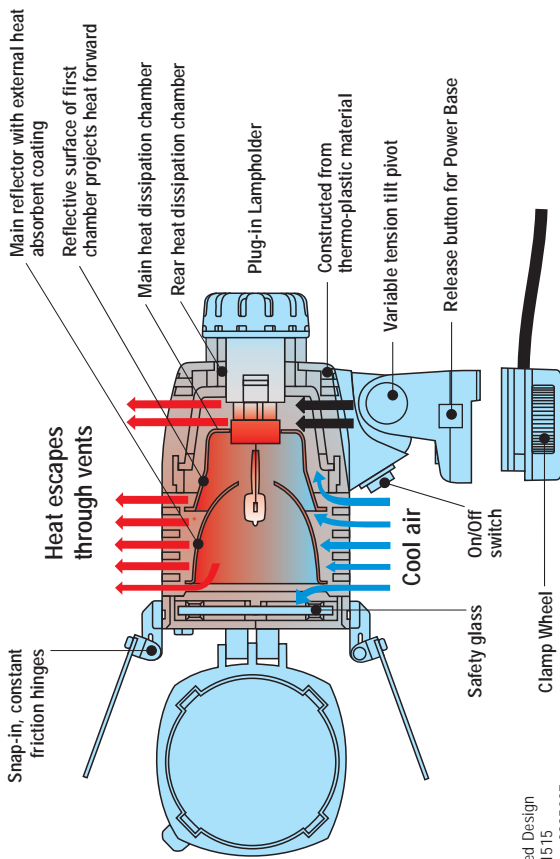


9012 Power Base PP90 (500mm)
9996 Power Base PP90 (1.5m)



9013 Power Base XLR-4 (1.5m)

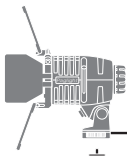
The coolest running light in the business



Registered Design
No. 2071515
Patent No. 2335027

6V System

Paglight C6
6V DV Lighting Kit
Model 1001



Battery Port

PAG DC Adaptors
for other camcorders
are also available.



DC Adaptor C6
Model 1023/-



C6 PowerPack
6V 7Ah Battery
Model 1008
(Also part of the
Paglight C6 Kit
Model 1001).



Belt Clip
Model 1022

PAG 6V SYSTEM

- ▶ This system is aimed at DV camcorder users who don't already own 12V batteries or belts, and who are looking for an economic, all-in-one camera power and lighting solution.
- ▶ The **Paglight C6** is a broadcast quality, on-board 6V light which possesses many features of the professional 12V ENG Paglight. Its proportions complement perfectly those of smaller digital camcorders.
- ▶ The 6V 7Ah **C6 PowerPack**, supplied as part of the Paglight C6 kit, is a serious power source that can be utilised to provide extended run-time for your camcorder.
- ▶ With the appropriate **PAG DC Adaptor**, the 6V output of the C6 PowerPack can be boosted to power both the 6V light and the 7.2V camcorder.
- ▶ If you purchase an **additional C6 PowerPack** with your Paglight C6 Kit, you will be able to run your camcorder and camera light for twice as long, without stopping to charge a battery.
- ▶ When using either of PAG's shoulder-mounted camcorder support options, the PAG Orbitor or the PAG X1, the C6 PowerPack can be secured to the back plate, where it acts as a counterbalance, in place of the weight supplied with the system.

6V DC Adaptors

Always state the make and model of your camcorder when ordering.



DC Adaptor C6

Model 1023/-

Enables you to power a 7.2V camcorder and a Paglight C6 from the C6 PowerPack.
(Not available for JVC HD100).

PAG 6V DC Adaptor Guide (by camcorder):

Canon XL-H1:

1023/01 6V to 7.2V DC Adaptor C6.

Canon XL1, XL2:

1023/01 6V to 7.2V DC Adaptor C6.

Panasonic AG-DVX100E, AG-HVX200:

1023/04 6V to 7.2V DC Adaptor C6.

Sony DSR200:

1023/02 6V to 7.2V DC Adaptor C6.

Sony HDR-FX1-Z1:

1023/05 6V to 7.2V DC Adaptor C6.

Sony PD150, PD170:

1023/03 6V to 7.2V DC Adaptor C6.

PAGLIGHT C6

A 6V DV Camera Lighting Kit



The limited choice of affordable, high-quality, on-board camera lighting for the new, smaller DV camcorders prompted PAG to develop a miniaturised version of its professional Paglight, the camera top-light that can be seen in action on TV news bulletins every night.

This broadcast-quality camcorder light incorporates many features of the professional Paglight, including a focusable beam angle, and a patented system that makes lamp changing quick and easy.

Designed to complement available light as a 'fill' or 'front light', the Paglight C6 will bring your images out of the shadows, enhance the colours and give your videos that professional touch.



Cool Running

The Paglight C6 is constructed from a glass-reinforced engineering polymer that provides impact-resistance and temperature stability. The combination of this modern material and the patented heat dissipation system ensures the Paglight C6 is cool-running, and comfortable to handle in use.



PAG's Unique Plug-in Lampholder System

The Paglight C6 features a patented plug-in lampholder system that makes fitting a lamp quick and easy. The Paglight C6 is supplied with a 20W tungsten halogen lamp (6V, G4-size). 10W, 20W and 30W lamps are available.

Tip: Additional lampholders enable change between lamps of varying wattages, quickly and easily, without directly handling the lamp. When not in use, lampholders should be stored in their high-strength, heat-resistant polymer lamp protector.

Fully Focusable

The lampholder is fully-focusable, with a smooth transition from narrow to wide angle.

Tip: You can compensate for light loss over distance by 'spotting' or narrowing the beam angle using the lever on the side of the lamphead. Widening the beam angle will reduce intensity and 'soften' the light, in much the same way as using a dimmer.

Professional Accessories

An accessory ring is supplied that fits to the front of the light and accommodates a range of professional accessories: a frosted diffuser, a dichroic filter and two barn doors. The assembly can be rotated 360° to achieve the desired position.

Tip: When filming in subdued light conditions, or poor daylight, it is all too easy to over-light your subject. In order to avoid this you can use the frosted **diffuser** to soften the light. You can also use it to soften the harsh shadows caused by a bright light source, such as direct sunlight. The spot-and-flood facility helps give you further fine control over soft light intensity.

Tip: When supplementing daylight with your Paglight M, the colour temperature must be corrected to match daylight.

You can do this by using the **dichroic filter** to raise the colour temperature of the light output from 3200°K (halogen) to 5600°K (daylight). Colour temperature is a measurement of the colour of light, not the brightness.

Barn Doors

Barn doors are used to flag off unwanted light. They double as protectors for the glass filters when the light is not in use.



Perfect Positioning

The support base of the lamphead is a multi-directional mounting which allows the light to be adjusted vertically and horizontally. The pivot points are friction-adjustable to maintain the desired position in all situations of use.

Mounting

The Paglight C6 Kit is supplied with a square shoe plate, allowing the unit to be mounted to camcorders with an accessory shoe.

The light base incorporates a ¼" Whitworth bush that enables it to be used with other PAG mounting options, such as a ¼" Whitworth stud adaptor (Model 9971), Accessory/Extender Arm (Model 1020) and Accessory Mounting Bracket (Model 1021).

The Paglight C6 base is fitted with a flying lead terminated with a professional-quality connector, incorporating gold-plated contacts.

PAG C6 PowerPack

Paglight C6 is powered from its own 6V 7Ah battery, supplied as part of the C6 kit. This rechargeable Ni-Cd battery, weighing little more than 1kg, has a detachable shoulder strap. The battery, when fully charged, will provide two and a quarter hours of run-time with a 20W lamp. An additional battery will enable you to shoot for a whole day. A belt clip (Model 1022) can be used in place of the shoulder strap. Once fitted to the back of the battery it can be worn on your trouser waistband or belt.

PAG C6 Power Charger

A wall-plug mains charger is supplied, that will charge the battery in three to four hours, from fully discharged. It will automatically recover the battery prior to fast-charging, if it has been deeply discharged. The charger also provides a maintenance top-up charge after full charge. These automatic functions are indicated by a single LED. The charger has an interchangeable power plug - UK, Euro, US/Japan and Australia plug options are available.

Paglight C6 Components and Accessories

Accessory/Extender Arm

Model 1020

This short extender arm can be fitted to the accessory shoe of the camcorder. It incorporates two accessory shoes that allow both the Paglight C6 and a microphone to be mounted to the camcorder.



Accessory Mounting Bracket

Model 1021

For camcorders without an accessory shoe PAG provides an Accessory Mounting Bracket that can be fitted to the 1/4" Whit. bush on the base of the camcorder. It incorporates two accessory shoes that allow both the Paglight C6 and a microphone to be mounted to the camcorder.



Softlight Diffuser and Filter Kit

Model 9983

This filter holding assembly fits onto the barn doors. The kit incorporates 2 Softlight diffuser screens and 6 colour correction filters that enable you to create super-soft lighting or coloured lighting effects.



Paglight C6 Components and Accessories



- 1002 PAG Power Charger (includes primary plug)
- 1003 Primary plug for charger (Europe)
- 1004 Primary plug for charger (UK)
- 1005 Primary plug for charger (US/Japan)
- 1006 Primary plug for charger (Australia)
- 1008N PAG C6 PowerPack (includes shoulder strap)
- 1009 Lampholder & Lamp Protector
- 1010 Lamp 6V 10W
- 1011 Lamp 6V 20W
- 1012 Lamp 6V 30W
- 1013 Dichroic (converts halogen to daylight)
- 1014 Diffuser (softens light output)
- 1016 Accessory mounting ring
- 1019 Barndoor (single item)
- 1020 Accessory/Extender Arm (short)
- 1021 Accessory Mounting Bracket
- 1022 Belt Clip for C6 Power Pack
- 1023/- DC Adaptor: 6V to 7.2V (*see DC Adaptor section*)
- 9983 Softlight Diffuser Kit
- 9971 Stud Adaptor 1/4" Whit.
- 9972 Camera Shoe Plate 1/4" Whit.

Paglight C6 Components and Accessories



1019 Barn doors (single)



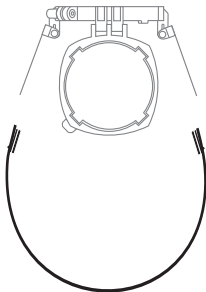
1013 Dichroic Filter



1014 Diffuser



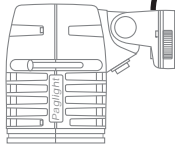
1016 Accessory Holder (ring only)



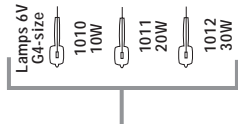
9983 Softlight Diffuser & Filter Kit
 2 x Filter Holders
 2 x Diffuser screens
 2 x Full CT blue filters
 2 x Half CT blue filters
 2 x Half CT orange filters



1009 Lampholder & Lamp Protector



9972 Camera Shoe Plate



Lamps 6V G4-size



1010 10W

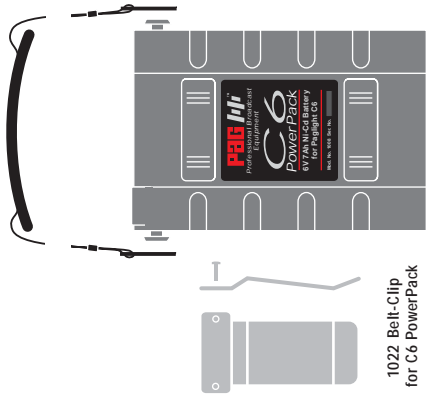


1011 20W



1012 30W

Paglight C6 Components and Accessories



1006 Charger plug (UK)



1006 Charger plug (Europe)



1006 Charger plug (US/Japan)



1006 Charger plug (Australia)

1008 PAG C6 PowerPack
6V 7Ah (with shoulder strap)

1002 PAG Power Charger
(includes plug of choice)

1022 Belt-Clip
for C6 PowerPack

PAG ™

ORBITOR

Advanced Camcorder Support System



Sony Z1
PAG Orbitor
Paglight M
PAG 12V DC Adaptor
PAGlok Connector
PAG C50 Cobalt Battery



"It gives you freedom, flexibility and control over shots that would normally be very difficult to achieve"

- ▶ **A balanced and stable shooting platform**
 - ▶ **Reduces fatigue on long shoots**
 - ▶ **The camera feels weightless, control is effortless**
 - ▶ **It allows a wide range of professional shooting techniques**
 - ▶ **Pan, tilt and roll with 3-axis control**
 - ▶ **Shoot at right-angles to your body**
 - ▶ **The suspension rod supports the camera in all positions**
 - ▶ **Rest hands-free between shots**
 - ▶ **Adjustable for any camcorder or operator**
 - ▶ **Tough, lightweight construction**
-

"A very useful addition to any videographer's armoury"

Original Concept

The PAG Orbiter is derived from an original idea, developed by PAG, which was prompted by the release of the Canon XL1 in 1998. The principle of its design is now incorporated in this latest version. Professional acceptance of smaller digital camcorders has prompted the development and subsequent release of this product.

Simple or Advanced

PAG has developed a camcorder support system that provides balance and mobility when shooting with any hand-held camcorder. The system can be configured to provide a professional two-handed assembly with 3-axis camera control, for a range of professional shooting techniques, or a single-handed assembly with a pan and tilt facility, for smaller camcorders.

Shoot at
right-angles
to your body



Perfectly
balanced
and virtually
weightless



Taking the Strain

Even a lightweight hand-held mini-DV camcorder can cause muscle fatigue after hours of shooting. The PAG Orbitor distributes the weight of the camcorder comfortably across the body, and provides a stable shooting platform that enables hours of use without fatigue.

Creative Shooting

Freedom of movement is achieved by a 3-axis mechanism controlled by variable tension clutches, which enable you to pan, tilt and roll, smoothly. The camera feels weightless and control of its movement is effortless, requiring the lightest touch.

The system's flexibility makes a large range of shots possible. The PAG Orbitor enables you to shoot with the camera at right-angles to your body, which is ideal for tracking shots on a staircase or shooting in a car. The PAG Orbitor is the most mobile, yet stable, shooting platform of its kind.

Professional Support

The camcorder is mounted to a quick-release sliding camera plate, which allows fine adjustment of its position to achieve the correct point of balance on the assembly.

Suspended Animation

The telescopic suspension rod supports the weight of the camera in every position. It slots into a belt-mounted support pad and assists greatly with extreme tilting shots. The suspension rod absorbs camera shake on tracking shots, and enables 'hands-free' resting between shots.

Counterbalance

The camcorder is counterbalanced by a weight mounted to the back-plate of the system's shoulder pad assembly. In place of the weight, a battery pack can be used, which will also power a camera light.

The back-plate can be fitted with a PAGlok connector (9522/78), enabling you to power a 12V Paglight M and the camcorder, via a DC Adaptor, using professional PAG 12V to 14.8V batteries.

Alternatively, the 6V battery supplied as part of the Paglight C6 Kit can be used to power both the light and the camcorder, via a 6V to 7.2V DC Adaptor.

Portable

The PAG Orbiter is designed to disassemble quickly and easily into manageable parts, suitable for transportation.

Adjustable Shoulder Pad

The position of the shoulder pad assembly can be adjusted to fit any operator, and features a cushioned shoulder pad to provide the maximum comfort during use. Adjustable straps secure the shoulder pad assembly to the waist belt, this prevents the assembly moving away from the ideal shoulder position during use.

Professional Accessories

Remote controls, wireless receivers and viewing monitors can be easily clamped to the rigid but lightweight structure.

PAG X1 Camcorder Support System

This simplified, single-handed version, distributes the weight of the camcorder comfortably between the arm and the shoulder, and provides a stable shooting platform.

It is possible to zoom and frame with one hand whilst supporting the camcorder with the other. Tilting and panning shots can be executed smoothly and without camera shake.

The PAG X1 is an economical system ideal for use with smaller camcorders.



Camcorder Support & Accessories

Advanced or economic camcorder shoulder-support systems

PAG Orbitor Advanced Camcorder Support System Model 2002

Total Weight: 3.9kg (8.6lbs)
including counterbalance.
Max. weight supported by
system: 4.5kg (9.9lbs).
Belt fits waists up to 46".
(Larger belt also available).



PAG X1 Camcorder Support System Model 2001

Total Weight: 3.05kg (6.7lbs)
including counterbalance.



PAGlok Connector Model 9522/78

Can be fitted to the back plate of
the PAG X1 or Orbitor. Use with
12V PP90 DC Adaptor 9680/- to
power the camcorder and the
Paglight M with PAGlok
batteries.



DV ACCESSORIES

Cartoni Tripods



PAG is the UK Distributor for Cartoni, Italy's leading camera support manufacturer, with 75 years experience.

Cartoni offers state of the art camera support technology and the widest product range in the industry, including fluid heads and tripods suitable for all DV and HD-DV camcorders.

The **HiDV** Fluid Head is the ideal support for the latest DV cameras weighing up to 5kg. The rugged-

ness, versatility, superb quality and price make it ideal for DV videographers.

The **ACTION PRO** is a lightweight head offering true fluid drag and professional features for digital cameras weighing up to 6kg.

The **FOCUS** fluid head features an innovative patented counter-balance system and is suitable for ENG and DV cameras weighing from 1kg to 10kg.

Chrosziel Mattebox Kits



PAG is the UK Distributor for Chrosziel mattebox kits.

Chrosziel is the industry leader for an extensive line of innovative and finely engineered accessories including matteboxes, sunshades, filterholders, fluid zoom drives, lens controls and more.

Chrosziel Mattebox kits are available for the following camcorders:

- ▶ Sony HDR-FX1 HVR-Z1
- ▶ JVC GY-HD100
- ▶ Canon XL-H1
- ▶ Panasonic AG-HVX200

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