



CUBE_CHARGER

Intelligent Parallel Charger



- > Ultra-Compact and lightweight
- > High power charging output
- > Fast, efficient simultaneous charging
- > V-Mount or PAGlok Connectors
- > Charge PAG & Sony Li-Ion batteries
- > Charge PAG & Sony Ni-MH batteries
- > Separate Camera Power Supply
- > Recovery Charge Program
- > Worldwide Operation





CUBE



PAG V-Mount Cube
Model 9702V

PAG Simultaneous Charger

The PAG Cube is a new, ultra-compact, low-cost, simultaneous fast-charger. It features PAG's own Intelligent Parallel Charging software, designed for the safe fast-charging of PAG's latest Li-Ion batteries, plus those of other reputable manufacturers.

Extend Battery Life

Charging is the most important factor in achieving an extended battery cycle life. PAG L95 Li-Ion batteries are capable of an average of three years active service, without substantial loss of capacity, when protected from abusive charging practices.

V-Mount or PAGlok Compatible

The Cube is available in 2 models, featuring either four V-Mount battery connectors or four PAGlok Connectors. The Cube can also be used to sequentially fast-charge batteries of other cell-chemistries, such as Ni-MH batteries (V-Mount or PAGlok) and Ni-Cd batteries (PAGlok only).

Economy

Value for money is at the heart of the Cube's conception. Other simultaneous chargers can cost three times as much.

High-Power

The high-power Cube is capable of supplying 6A at 16.8V, approximately 100W. Charging is fast, efficient and fully automatic thanks to PAG's unique Intelligent Parallel Charging.

PAG Intelligent Parallel Charging

This unique PAG charging software incorporates three phases:

- > **Phase 1 - Pre-Charge:** prepares shutdown or deeply discharged batteries for charge acceptance.
- > **Phase 2 - Testing:** determines the type and state-of-charge of the batteries, and the maximum current that can be applied.
- > **Phase 3 - Charging:** the charger then shares the current intelligently between the channels, briefly addressing the most discharged batteries first, before simultaneously fully-charging all batteries as quickly and efficiently as possible.



PAG Cube Charger Specifications

Model No. 9702V

4 x V-Mount compatible connectors.

Range of Batteries Simultaneously Charged:

- > PAG V-Mount Li-Ion: L95, L95e, L110 & L190e.
- > Sony V-Mount Li-Ion
- > IDX V-Mount Li-Ion.

Range of Batteries Sequentially Charged:

- > PAG V-Mount ZL-Series: ZL-150, ZL-125 and ZL-50.
- > Sony V-Mount Ni-MH.

Model No. 9702

4 x PAGlok Connectors.

Range of Batteries Simultaneously Charged:

- > The latest PAGlok Li-Ion batteries: L95, L95e, L110 & L190e (3-pin).

Range of Batteries Sequentially Charged:

- > Older PAGlok Li-Ion batteries (2 pin).
- > PAGlok Ni-MH and Ni-Cd (except NMH60).

Retractable Handle >

Ideal Location Charger

The Cube is the ideal location charger. It is quiet and cool-running. It has a robust but lightweight impact-resistant moulded-construction, incorporating an aluminium frame.

Retractable Handle

The Cube features a strong, moulded handle that enables you to carry the charger with four batteries connected. The handle can be retracted into the lid of the charger when not required, to maintain the compact dimensions of the unit.



LCD Screen

The Cube incorporates a backlit LCD screen which indicates, at all times, the status of each channel.

Updates

The charger is capable of receiving firmware updates via the battery connectors, which is both convenient and economic.

Power Supply

The Cube's power supply technology enables the charger to be powered from any AC power supply, worldwide.



PAGlok Cube
Model 9702

Main Charge Programs:

Li-Ion Intelligent Parallel Charging program: maximum output 6A at 16.8V (100W approx.).

PAG ACS sequential charge program: output 3A.

Recovery Feature:

Automatically recovers a Li-Ion battery where the output has been shut down. Additionally, the program detects batteries having a very low voltage, and initiates a special low charge current. The program will operate until the voltage has risen sufficiently for batteries to safely accept the normal charge current.

Self Test Program:

The internal microcomputer constantly monitors the battery under charge, as well as the operation of the charger's own functions, which will be shut down to a safe condition should any of the tests fail.

Mains Input:

90V to 265VAC. Frequency 50-60 Hz. EN6100-3-2 Power factor corrected. Maximum consumption 140W.

Output Protection:

Charger protected against short circuit and excess battery voltage.

AC Mains Failure Protection:

Should mains failure occur during a charging program, or whilst the charger is connected, it will shut down to a safe condition.

User Interface:

Comprehensive LCD indication of charging process. The charger is fully automatic in operation and no user controls are provided.

Safety:

Designed to comply with electrical safety standard BS EN 60065 and UL6500. NOTE: U.K. mains leads are fitted with a 1" fuse to BS1362 rated 5A as standard.

European Union Directives:

Complies with the following:
EMC Directive 89/336/EU.
Low Voltage Directive 73/23/EU.

Operating Temperature Range:

0°C to +40°C (+32°F to +104°F).

Overall Dimensions (H x W x D):

Model 9702V (V-Mount)

157 x 157 x 157mm (6.2 x 6.2 x 6.2").

Model 9702 (PAGlok)

157 x 150 x 150mm (6.2 x 5.9 x 5.9").

Weight:

1.19kg

Typical Charging Times:

1	PAG L95	3hrs	15mins
2	PAG L95s	4hrs	-
3	PAG L95s	5hrs	-
4	PAG L95s	6hrs	30mins

These times are approximate only, and assume batteries are fully discharged. Charging times will be less if batteries are already partially charged.

PAG CPA

Camera Power
Adaptor >



Use the Cube to Power Your Camera via the PAG CPA

The Cube can be used to power your camera from an AC mains supply, with the addition of the PAG Camera Power Adaptor.

This compact, impact resistant unit can be connected to any channel on the Cube charger. Connection to the camera can be made using a PAG XLR-4 male to female adaptor, coiled lead (Model 9450).

The PAG CPA outputs up to 5.5A at 16.8V and is suitable for use with modern broadcast cameras which can be powered using 14.4V / 14.8V Li-Ion batteries.

The PAG CPA is available in two models: a V-Mount version which can be used in conjunction with the V-Mount Cube or the V4-iPC chargers, and a PAGlok version which can only be used with the PAGlok Cube.

PAG Camera Power Adaptor Specifications

Model No. 9701V

For use with the following PAG V-Mount compatible chargers:

- > PAG Cube (Model No. 9702V).
- > PAG V4-iPC (Model 9700V).

Model No. 9701

For use with the following PAGlok chargers:

- > PAG Cube (Model No. 9702).

Input Connection:

To be powered only from the appropriate charger (see above).

Output:

16.8V DC. Maximum current 5.5A (90W).

Output Connector:

XLR-4 (F) connector (Pin 1 Negative, Pin 4 Positive).

Overall Dimensions (H x W x D):

130 x 86 x 47mm

Weight:

190g

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