



## Cube 1200 / 700

Rechargeable OnGround Li-Ion battery

### USER MANUAL

**WE STRONGLY RECOMMEND READING THIS INSTRUCTION CAREFULLY BEFORE USING!**

- **FOR YOUR PERSONAL SAFETY, PLEASE OBSERVE THE SAFETY INSTRUCTIONS AND WARNINGS**
- **OBSERVE ALL COMMON AND LOCAL SAFETY REGULATIONS**
- **PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE**

## Features

- A high-capacity, high-power OnGround battery with integrated charger
- Maximum load 700W
- Energy Capacity: 1140 Wh / 79,2 Ah
- Multivoltage (5,0V / 14,4V unreg. / 24,0V / 48,0V)
- For cinematography cameras and lighting
- Recellable

## Safety Instructions

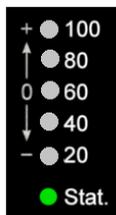
- For professional use only!
- Operate only with recommended batteries!
- Charge only with recommended charger!
- Risk of explosion when exposed to fire!
- Avoid contact with water!
- Do not short the battery terminals!
- Do not open or repair the device!
- Handle with care! Do not throw or drop the device!
- Do not operate in overhead or hanging applications!
- Do not expose to temperatures above 60°C/140°F or below -20°C/-4°F
- Do not overload the device (see Specifications)!
- Do not supply more charging voltage than specified (see Specifications)!

## Charging

- Never load unattended
- Wait 30 Minutes after discharge before charging your battery.
- The bebob CUBE 1200 / 700 battery can be charged via the internal charger.
- Charging time ~ 8,5h
- Approximate charging time may vary depending on charger and temperature.
- For optimal performance, the bebob CUBE 1200 / 700 should be charged in ambient temperature (see specifications)
- The bebob CUBE 1200 / 700 can be recharged in any state of charge.
- Charger input: AC IN 90-240V – 50-60Hz
- Input fuse: 1x5AT – 1 spare fuse
- Charging current 10A internal

## AC Adapter

- The bebob CUBE 1200 / 700 battery can be used as an 150W AC adapter when plugged into AC.
- When the device powered needs more than 150W, the overload gets compensated through the battery until the battery is empty.
- When the device powered needs less than 150W, the free power will be charged into the battery.
- When the AC Adapter is on, the Status led will light green



## Discharging

- 5,0V: 2x USB. 1x 2A self-resetting fuse
- 14,4V (unreg. 10 to 16,8V): 2x XLR4 10A, 1x Twist D-Tap 10A, electronic fuses
- 24V (24,0V +/- 5V adjustable): 2x XLR3 16A,
- 48V (48,0V +/- 2,5V adjustable): 1x XLR10 15A
- The battery can be used in ambient temperature of (see specifications)

## Status LED

- Status LED lights up for 3 seconds after switch off:



- green: full capacity over 80%
- yellow: between 60% and 80%
- red: under 60%

- Status LED lights green when the CUBE is plugged into AC.

## Fuel Gauge



- Five-step LED power indicator
- Flashes while charging
- Lights up while discharging
- Last LED (20%) flashes when the capacity comes under 10%.

## Outputs LED's

- 12V/24V LED light up green when the CUBE is switched ON at 24V.
- 12V/48V LED light up green when the CUBE is switched ON at 48V.
- 12V/24V/48V LED are off when the CUBE is switched OFF.
- 12V/24V/48V LED turn first yellow and then red after 5s when overloaded (more than 10A). The output is locked. Remove or reduce load!
- 24V/48V LED flash red when the internal temperature of the CUBE reaches 90°C. 24V/48V output is locked. Remove or reduce load!

## Storage

- Storage temperature range (see specifications).
- To store the battery for a long period (longer than 4 weeks), the battery should be charged between 50% and 75%. The battery should be recharged every 4 weeks.
- After storage some self-discharge will occur. Before re-use it is advisable to fully recharge the battery.

## Warranty

- The CUBE 1200 / 700 is covered by a 2 years unconditional warranty on all parts, except the cells.
- The cells are covered by a 2 year warranty, for 80% of the original capacity.
- For warranty issues, or if you have any additional questions, please contact the appropriate bebob distributor listed at [www.bebob.tv](http://www.bebob.tv).

## Voltage Selection

- Main Switch on Position OFF: No Voltages available



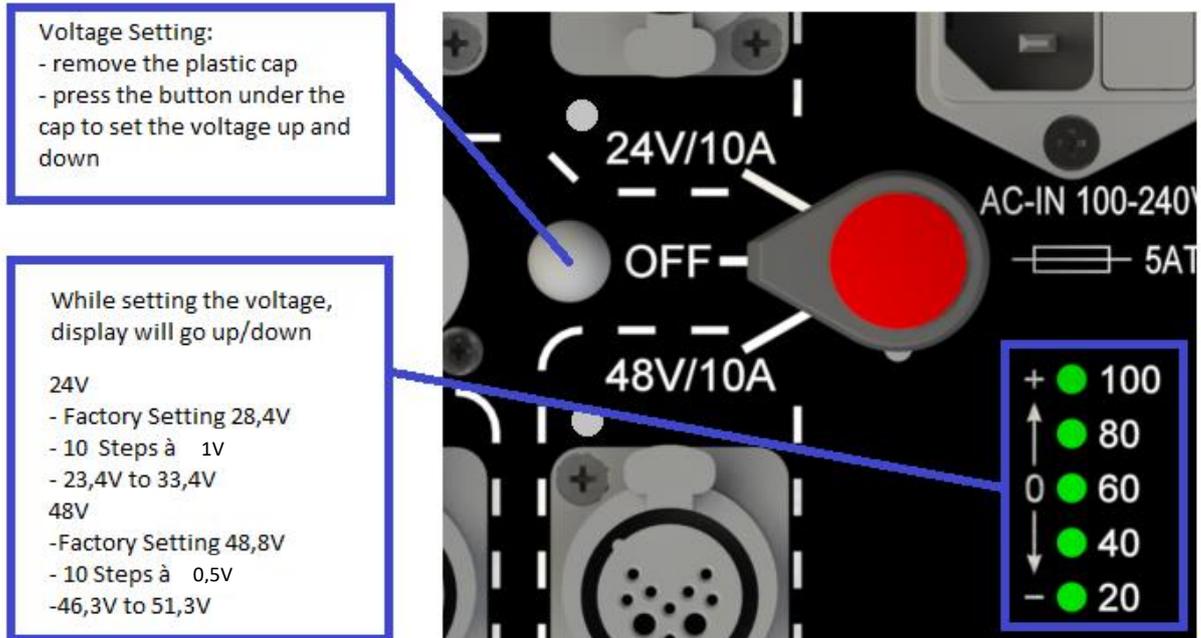
- Main Switch on Position 24V: 5, 12 and 24V Voltage available



- Main Switch on Position 48V: 5, 12 and 48V available



## Voltage Setting



## Disposal

- Users are legally obliged to appropriate disposal of used batteries.
- Batteries must not be disposed of in household waste - see crossed-out dustbin symbol on the battery label.
- You can return any batteries of our battery range (old and current models) to our warehouse for free-of-charge disposal.

If the battery is not completely discharged [Wecken Sie das Interesse Ihrer Leser mit einem passenden Zitat aus dem Dokument, oder verwenden Sie diesen Platz, um eine Kernaussage zu betonen. Um das Textfeld an einer beliebigen Stelle auf der Seite zu platzieren, ziehen Sie es einfach.]

- , precautions against a potential short-circuit must be taken.

## Specifications

Model	Cube 1200 / 700
Cells	Lithium-Ion
Energy	1140Wh
Capacity	79,2Ah
Voltage	5,0V DC 14,4V DC (10,0V to 16,8V unreg.) 24,0V DC (adjustable +/-5V ) 48,0V DC (adjustable +/-2,5V)
External Outputs	
Twist D-Tap	1x 14,4V unreg. / 10A
USB Port	1x 5,0V / 2A Type-A
XLR 4	2x 14,4V unreg. / 10A
XLR-3	2x 24V / 16A +/-5V
XLR-10	1x 48V / 15A +/-2,5V
Continuous Power Drain	700 W
Fuel Gauge	5-Step LED
Status	Green: Full Capacity over 80% Yellow: Full Capacity between 60 and 80% Red: Full Capacity under 60%
Weight	8,95 Kg
Dimensions (WxHxD)	208x356x167mm
Charger	Integrated AC-input 90-264V / 47-63Hz
Charging time	8,5 Hours
Ambient temperature operation range:	
Charge	0°C to +45°C (32°F to 113°F)
Discharge	-20°C to +40°C (-4°F to 104°F)
Storage	-20°C to +40°C (-4°F to 104°F) (less than 70%RH)