



## 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

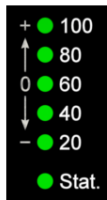
- Status LED lights up for 3 seconds after switch off:



- 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



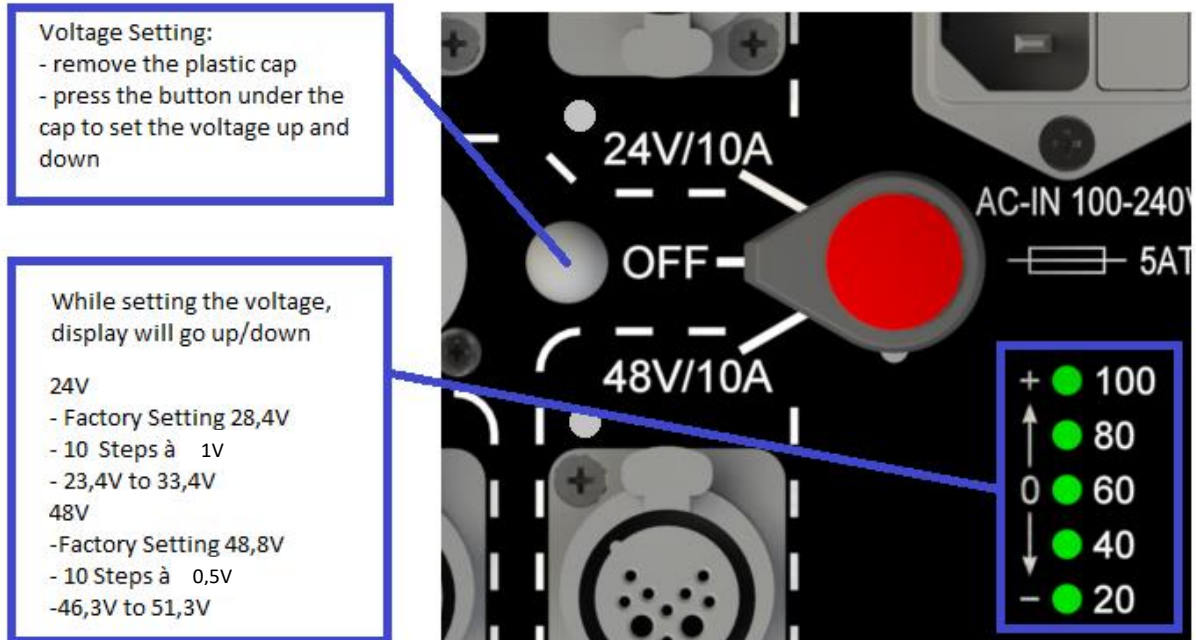
- Main Switch on Position 24V: 5, 12 and 24V Voltage available



- 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, 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)