



V240micro

Rechargeable 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 micro V-Mount Li-Ion battery 14,4V / 16,5Ah // 238Wh
- Direct fitting to a camera or plate via micro V- or V-Mount.
- Five-step LED Fuel Gauge (100% - 80% - 60% - 40% - 20%; SoC – State of Charge)
- Full-charge capacity status LED (green over 70%; yellow between 50% and 70%; red under 50% of new battery)
- Twist D-Tap (14,4V unreg.; max. 5A)
- USB-A (5,0V; max. 1,0A)
- 200W continuous power drain
- 16A max. discharge current
- Data communication (ARRI, RED, Sony, Blackmagic Design)

Safety instructions

- For professional use only!
- Operate only with recommended batteries!
- Charge only with recommended chargers!
- Risk of explosion when exposed to fire or heat!
- Do not expose the battery to water!
- Do not cause short circuits between the battery's terminals!
- Do not open or try to 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)!

Storage

- The battery shall be stored within the specified temperature, humidity and state of charge ranges (see specifications).
- Storage ambient temperature range is (see specifications)
- For long-term storage (longer than 4 weeks), the battery should have a charge between 50% and 75%. The battery should be recharged every 4 weeks.
In storage, some self-discharge will occur. It is advised to fully recharge the battery before reusing it.

Warranty

- The battery is covered by a 2-year unconditional warranty on all parts, except for the cells.
- The cells are covered by a 1-year warranty at 70% of the original capacity.
- If you have any additional questions or warranty issues, please contact the appropriate bebob distributor listed at www.bebob.tv.

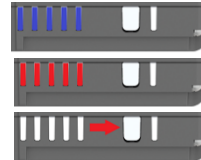
Disposal

- 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.

Operation

Camera Data Communication

- Blue leds: Arri/Sony Data Protocol
- Red leds: Red Data Protocol
- To switch between both status, press the Check button for 5s



Status led

- Status led lighting Green: Full Capacity over 70% of New
- Status led lighting Yellow: Full Capacity between 50% and 70% of New
- Status led lighting Red: Full Capacity under 50% of New



Flash Light

- To switch On/Off press the Check Button Twice



Charging

- Do not charge batteries unattended!
- Do not charge near flammable object
- Disconnect all external loads before the charging process
- Wait 30 minutes since the last discharge before charging
- The battery can be charged via any bebob B-Mount charger (or equivalent charger using the CC-CV method)
- Do not supply more charging voltage than specified (see specifications)!
- Charge time will depend on charging power and ambient temperature
- The optimal charging ambient temperature is (see specifications).
- bebob batteries can be recharged with any amount of remaining charge.
- The gauge LEDs will indicate the state of charge during the charging process.

Discharging

- The maximum discharge current shall not be exceeded (see Specifications)
- When using the battery with video or lighting equipment, the total power consumption of the equipment must be below specifications. For the protection of the battery, a load over or equal to the max discharge current may activate the internal protection circuit and stops supply of power.
In this case the fuse will self-rest after a couple of minutes.
- The device features separate self-resetting overload protections for each of its supply sockets
- Do not discharge near flammable materials and avoid high thermal loads
- Discharge the battery only within the specified temperature range (see specifications)
- Do not stack more than one battery onto a hot swap battery

Specifications

Model	V240micro
Mount Battery	micro V-Mount
Mount Camera	micro V-Mount; V-Mount
Cells	Lithium-Ion (Panasonic)
Energy	238Wh
Capacity	16,5Ah
Voltage (nominal voltage) DC 12V Mode	14,4V/4s
Max. Charge/Output Voltage DC 12V Mode	16,8V
End Voltage (discharge cut-off) DC 12V Mode	10,0V
Continuous Discharge Current	16,0A
Continuous Power Drain 12V Mode	200W
External Outputs Twist D-Tap USB Port	1x 14,4V unreg. / 5,0A 1x 5,0V / 1,0A Type-A
External Inputs Twist D-Tap	14,4V unreg. / 5,0A
Indicators LED Gauge Status LED (compared to a new battery)	5-Step LED Green: Full Capacity over 70% Orange: Full Capacity between 50 and 70% Red: Full Capacity under 50%
Chargers bebob V-Mount or Equivalent (CC-CV method) D-Tap Charger (e.g.: bebob S1)	16,8V / 5A (84W) 16,8V unreg. / 5A
Charging time (e.g.: bebob VS2/VS4)	Aprpx. 2,6 hours / 80% 5A/16,8V 5,3 hours / 100% 5A/16,8V
Ambient temperature operation range: Charge Discharge Storage	0°C to +45°C (32°F to 113°F) -20°C to +60°C (-4°F to 140°F) -20°C to +40°C (-4°F to 104°F) (less than 70%RH)
Weight	1,18 kg
Dimensions (WxHxD)	75x101x97mm