



## V155RM CINE rechargeable li-ion Battery USER MANUAL

**WE STRONGLY RECOMMEND THAT YOU READ THIS INSTRUCTION BEFORE USING YOUR BEBOB V155RM CINE BATTERY! PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE**

### Features

- A high capacity, high load battery which is compact and lightweight. Direct fitting to a camera via V-Mount.
- Five-step LED power indicator (100% - 80% - 60% - 40% - 20%).
- Full Capacity Status LED (green over 80%; yellow between 60% and 80%; red under 60%)
- Full Data Communication with the Camera (Info Li, Digiview,...)

### Safety instructions

- Only for professional use! Keep batteries out of reach of children and personnel that has not been instructed in the use of high capacity Lithium-ion batteries!
- Use only with recommended charger.
- Keep the battery dry and do not immerse in water.
- Never open the case of the battery.
- Do not expose to temperature over 60°C.
- Do not expose the battery to fire! May explode if thrown into fire!
- Maximum Load 20.0A. (Over CINE V-Mount)
- Do not put the battery on a device when the red charging LED flashes.
- Handle with care! Do not throw! Do not drop!

## Charging

- The bebob V155RM CINE battery can be charged with an external bebob charger (or equivalent) with Lithium-ion (Li-ion) charging ability.
- Approximate charge time may vary depending on charger and temperature.
- bebob V155RM CINE can be charged in ambient temperature for optimum performance at 10°C - 30°C.
- bebob V155RM CINE batteries can be recharged in any charge condition.

## Discharging

- Maximum load is 20.0A. When using the battery with video or lighting equipment, power consumption of the equipment must be 20.0A or below. For the protection of the battery, a load of 20.0A or over may activate the internal protection circuit and stop supply of power. In this case the Fuse will self-rest after a couple of minutes
- The battery can be used in ambient temperature of - 20°C - + 55°C.

## Storage

- Storage temperature range is - 20°C ~ + 35°C (<85% humidity).
- 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 recharge the battery fully.

## Warranty

- The V155RM CINE is covered by a 2 years unconditional warranty on all parts, except the cells.
- The cells are covered by a 2 year warranty, 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.de](http://www.bebob.de).

## Specifications

Model	V155RM CINE
Mount	V-Mount
Capacity	6,0Ah; 155Wh
Voltage	14,4V DC
Maximum Output Voltage	16.8 V DC
End Voltage	12.0 V
Cells	Lithium-Ion Trimix HL made in Japan
Max. Discharge Current	20.0A (over CINE V-Mount)
Twist D-Tap	14.4V unreg. Max. 35W
USB Port	5V, 1.0A
Fuel Gauge	5-Step LED
Status	Green: Full Capacity over 80% Yellow: Full Capacity between 60 and 80% Red: Full Capacity under 60%
Weight	1.00 Kg
Dimensions (WXHxD)	94x144x58mm
Chargers	bebob, idx, sony
Charging time (bebob VS2/VS4)	4 Hours
Operating Temp. Range	Charge: + 10°C ~ + 30°C recommended Discharge:- 20°C ~ + 55°C Storage:- 20°C ~ + 35°C (<85% RH )

## Transport as of April 1<sup>st</sup> 2016

- This Summary reflects our current Knowledge.

### 1. Transport by Commercial Airline / Carry-on Luggage

- **Subject to prior authorization of the carrier** You can transport in your **carry-on luggage** a V155RM CINE attached to the camera or equipment it powers.
- You can transport in your **carry-on luggage** a maximum of 2 spare V155RM CINE:
  - Put tape over the contacts.
  - Put each single battery in a plastic bag before packing it in your **carry-on luggage**
- **V155RM CINE do not need to be discharged to 30% SoC for transport as personal luggage, this is only a requirement of cargo shipments.**
- Carry a copy of the [bebob UN Transport Documentation](#) and [V155RM CINE UN Certificate](#).
- We recommend that you confirm with your carrier of choice, to determine any further restriction or local policies, before travelling. **You will find the actual regulation of your carrier of choice in the bebob transport information system [www.fly-lithium.com](http://www.fly-lithium.com),**

### 2. Transport by Commercial Airline / Checked-in Luggage

- **Subject to prior authorization of the carrier** You can transport in your **checked-in luggage** a V155RM CINE attached to the camera or equipment it powers and a maximum of 3 V155RM CINE spare packed in the same piece of luggage
- **V155RM CINE do not need to be discharged to 30% SoC for transport as personal luggage, this is only a requirement of cargo shipments.**
- Carry a copy of the [bebob UN Transport Documentation](#) and [V155RM CINE UN Certificate](#).
- We recommend that you confirm with your carrier of choice, to determine any further local restriction or policies, before travelling. **You will find the actual regulation of your carrier of choice in the bebob transport information system [www.fly-lithium.com](http://www.fly-lithium.com),**

### 3. Transport as air-, road- and sea-freight

- Li-Ion batteries, and so bebob V155RM CINE, when shipped by air, road or sea are classified as dangerous goods class 9 and subject to special UN certified packaging.
- Air transport authority training and authorisation (PK 1/PK 2) are required for packing V155RM CINE, for an air cargo shipment.
- **Li-Ion batteries for air cargo must have a state-of-charge of no more than 30% for shipping, means only one out of the five fuel gauge led lights up.**
- We recommend that you confirm with your carrier of choice, to determine any local rules and policies, before shipping.
- **You will find actual regulations of the carrier of your choice in the bebob transport information system [www.fly-lithium.com](http://www.fly-lithium.com),**

# CERTIFICATION FOR LITHIUM BATTERY

## TRANSPORTATION CERTIFICATE

Concerning the transport according to the dangerous goods regulations of the different transport modes as in force since January, 1st 2003 and changes effective from 2015

WE HEREWITH CERTIFY THAT EACH BATTERY OF THIS TYPE IS PROVED TO MEET THE REQUIREMENTS OF EACH APPLICABLE TEST IN THE UN MANUAL OF TESTS AND CRITERIA, PART III, SUB-SECTION 38.3, REV. 5, AMEND. 2

<b>CERTIFICATE/REPORT NO.:</b>	<b>BU-2015-03104-0-UN</b>
<b>UN No. / Shipping name:</b>	<b>UN 3480 LITHIUM ION BATTERY UN 3481 LITHIUM ION BATTERY packed with equipment / contained in equipment</b>
<b>Certified Product:</b>	<b>LITHIUM ION BATTERY (rechargeable)</b>
<b>Model Designation:</b>	<b>4S4P NCR-18650PF (14.4V/10.8Ah)</b>
<b>Article Number:</b>	9048 (V155RM-Cine)
<b>Certificate Holder:</b>	<b>bebob factory GmbH</b> Höglwörthstr. 350 · D-81379 München · Germany


PERFORMED TESTS	RESULTS
38.3.4.1 <b>Test 1: Altitude Simulation</b>	<b>passed</b>
38.3.4.2 <b>Test 2: Thermal Test</b>	<b>passed</b>
38.3.4.3 <b>Test 3: Vibration</b>	<b>passed</b>
38.3.4.4 <b>Test 4: Shock</b>	<b>passed</b>
38.3.4.5 <b>Test 5: External Short Circuit</b>	<b>passed</b>
38.3.4.6 <b>Test 6: Impact/Crush</b>	<b>not applicable</b>
38.3.4.7 <b>Test 7: Overcharge</b>	<b>passed</b>
38.3.4.8 <b>Test 8: Forced Discharge</b>	<b>not applicable</b>

▶ Watt-hour rating of the battery: 155,52 Wh ◀



**As the Watt-hour rating of the battery is more than 100 Wh, this lithium ion battery has to be declared and shipped as DANGEROUS GOODS "Class 9". According to Packing Instruction 965 (UN 3480) or 966/967 (UN 3481), Section I - Fully Regulated Class 9 Lithium Ion Cells and Batteries - of the IATA-DGR and Packing Instruction P903 of the ADR and IMDG Code. ▶THE DANGEROUS GOODS LABEL "CLASS 9" IS REQUIRED ◀**

16.Oct. 2015  
Date of issue

  
Signature: Sven Bauer, CEO

**www.batteryuniversity.eu**  
batteryuniversity.eu GmbH  
Am Sportplatz 30 · 85791 Karlstein (Main)  
Tel. +49(0)6188 99 410-0 · Fax 99 410-20  
mail@batteryuniversity.eu · www.batteryuniversity.eu

The regulation listed here reflects the status at the time of the release of this certificate.