



## ML-120AMIRA Hot Swap Adapter

### User Manual

**WE STRONGLY RECOMMEND THAT YOU READ THIS INSTRUCTION BEFORE USING YOUR BEBOB ML-120AMIRA HOT SWAP ADAPTER! PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE**

## Features

- Automatic switching by empty batteries to allow continuous powering of the ARRI Amira for 120s
- 2 Step empty battery-alarm
- 20Wh built-in power-buffer
- 12V (unreg.) D-Tap Port with self-resetting 5A Fuse
- Zero maintenance required
- **works only with V-Mount Lithium-Ion Battery ( nominal voltage between 14.4V and 14.8V)**
- **Mounts only on the ARRI Amira**

## Charging

- The ML-120AMIRA charges itself from the V-Mount battery
- At first charge or If completely empty, the ML-120AMIRA will be ready to use after 60 minutes
- While Charging the yellow "Charging" LED turns on
- When fully charged the green „Ready“ LED turns on
- The ML-120AMIRA charges itself automatically when needed.
- During charging The ML-120AMIRA keep monitoring the voltage of the battery and is ready to switch if needed

## Battery Swap

- The ML-120AMIRA detects a battery as empty when the voltage drops below 12,5V
- The ML-120AMIRA instantly takes over powering the ARRI Amira and the D-Tap port for a maximum of 2 minutes and displays a red LED alarm
- The LED Alarm flashes for 90s, turns to solid for the last 30s.
- After the empty battery has been replaced by a charged one (voltage under load of over 14,5V), powering of the ARRI Amira instantly reverts to the V-Mount battery.
- The ML-120AMIRA switches up to 6 Times before running empty
- If the empty battery is not replaced within 2 minutes the ML-120AMIRA and the ARRI Amira will switch off.

## Alarm LED's brightness

- To allow the Alarm LED to be visible in bright environments (sunlight etc.) but not disturbingly over bright in darker environments (studio etc.), the ML-120 has automatic brightness adjust.
- The brighter the environment the brighter the alarm LED will show.
- The environment light detector is located at the top – middle of the ML-120 housing.
- Covering the housing (with tape for instance) will switch off the automatic brightness adjust and the alarm LED will flash with minimum brightness

## Safety instructions

- Only for professional use! Keep Charger out of reach of children and personnel that has not been instructed in the use!
- Use only with recommended batteries.
- Keep the ML-120AMIRA dry and do not immerse in water.
- Do not attempt to open or repair the ML-120V7V. Contact your dealer for help if it becomes defective.
- Handle with care! Do not throw! Do not drop!

## Warranty

- The ML-120AMIRA 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	ML-120AMIRA
Connection (camera)	ARRI Amira
Batteries	Li-ion 14,4V or 14,8V
Battery Mount	V-Mount
Running Time	2 Minutes
Voltage	14,4V
Cells	Li-Ion Trimix HL made in Japan
Maximum Load	15.0A
D-Tap	1(max 5.0A) Self-reset Fuse
Charging Mode	Automatic
Charging Time	Max 60 Minutes
Display	Charge/ready
Dimensions (WXHxD)	140 x 76 x 45mm
Weight	0,52 Kg