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› Miady BP-4CH 4-Channel V-Mount Battery Charger Instruction Manual

Miady BP-4CH

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1. PRODUCT OVERVIEW

The Miady BP-4CH is a versatile 4-channel V-Mount battery charger designed for professional use. It allows for simultaneous charging of up to four V-Mount batteries and features a DC 16.5V power supply output, making it suitable for powering camcorders, portable VTRs, and other ENG machines. This charger is compatible with various V-Mount battery capacities, including Miady's 154Wh, 220Wh, and 230Wh models.

Dual Charger Design

Start charging:the red light is on.When charging power reaches 85% the light will turn from red to green.When the charging is finished the light will turn off.



Rapid Charging

3.0A(One/Two batteries)



Standard Charging

2.0A(Three/ Four batteries)

Note:the battery is not included in the package

Figure 1: Miady BP-4CH 4-Channel V-Mount Battery Charger.

Key Features:

- **4-Channel Simultaneous Charging:** Efficiently charges up to four V-Mount batteries at once.
- **DC Power Supply Output:** Provides 16.5V DC power via a 4-pin XLR adapter (cable not included) for external devices.
- **Intelligent Protection System:** Built-in safeguards against overcharge, overcurrent, over-discharge, reverse polarity, and short circuits.
- **Dual Charging Modes:** Offers rapid charging (3A for 1-2 batteries) and standard charging (2A for 3-4 batteries).
- **Portable Design:** Features a hand-held design, non-slip cushions, and a folding bracket for convenience.



4 Channel

V-Mount Charger

---Ready for every scene

Figure 2: The Miady BP-4CH charger features a dual charger design with LED indicators for charging status. Red indicates charging, green indicates 85% or more charged, and the light turns off when fully charged.

2. SETUP INSTRUCTIONS

Follow these steps to set up your Miady BP-4CH charger:

1. **Unpack the Charger:** Carefully remove the charger and all accessories from the packaging. Verify that all components listed in the 'What You Get' section are present.
2. **Connect Power:** Connect the provided AC power cable to the AC socket on the charger and then to a standard wall outlet (AC100-240V 50/60Hz). Ensure the AC Power Switch is in the OFF position before connecting.
3. **Power On:** Flip the AC Power Switch to the ON position. The Power Indicator LED should illuminate.
4. **Prepare Batteries:** Ensure your V-Mount batteries are clean and free of debris on their contacts.
5. **Mount Batteries:** Align the V-Mount battery with one of the charger's V-lock plates and slide it down until it clicks securely into place. Repeat for additional batteries.

LED Indicators

Clearly Show the Charging Status



Figure 3: Detailed view of the Miady BP-4CH charger's LED indicators, AC power switch, AC socket, and DC output port. The folding bracket provides stability.

INSTRUCTIONS



Figure 4: Key physical features of the Miady BP-4CH charger, including the hand-held design, cooling fan, pure copper contactors, non-slip cushions, and folding bracket.

3. OPERATING INSTRUCTIONS

3.1 Charging Batteries

Once batteries are securely mounted and the charger is powered on, the charging process will begin automatically. The charger features an intelligent management system to optimize charging speed and safety.

- **Rapid Charging:** When one or two batteries are connected, the charger provides a rapid charging current of 3A per channel.
- **Standard Charging:** When three or four batteries are connected, the charger provides a standard charging current of 2A per channel.

Monitor the charging status using the LED indicators:

- **Red LED:** Indicates the battery is currently charging.

- **Green LED:** Indicates the battery charge level has reached 85% or higher.
- **LED Off:** Indicates the battery is fully charged.



Figure 5: Rapid Charging mode (3.0A) for one or two batteries.



Figure 6: Standard Charging mode (2.0A) for three or four batteries.

3.2 DC Power Supply Output

The Miady BP-4CH can also function as a DC power supply. It provides a 16.5V output through its 4-pin XLR DC output adapter. This feature allows you to power compatible camcorders, portable VTRs, and other professional equipment directly from the charger, even while batteries are charging (if the charger is connected to AC power).

- To use the DC output, connect a compatible 4-pin XLR female cable (not included) from the charger's DC OUT port to your device.
- Ensure your device is compatible with a 16.5V DC input.

Intelligent DC Power Supply

Intelligent DC Power are supply by charger



Figure 7: The charger provides intelligent DC power supply functionality.

Scene To Be Used



Figure 8: The Miady BP-4CH charger can supply 16.5V 4.5A power to a camcorder or other compatible devices via its DC output.

Video 1: This video demonstrates the features of a similar quad V-mount battery charger, including its simultaneous charging capabilities and XLR DC output. While it features a different brand, the core functionalities are analogous to the Miady BP-4CH.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Miady BP-4CH charger.

- **Cleaning:** Regularly wipe the exterior of the charger with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure the battery contacts and ports are free of dust and debris.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, disconnect it from the power outlet.
- **Cooling Fan:** The charger is equipped with a cooling fan that may activate during heavy use (e.g., charging four batteries simultaneously) to prevent overheating. This is normal operation. Ensure the fan vents are not obstructed.

5. TROUBLESHOOTING

If you encounter issues with your Miady BP-4CH charger, refer to the following common troubleshooting tips:

- **Charger Not Powering On:**
 - Ensure the AC power cable is securely connected to both the charger and the wall outlet.
 - Check if the AC Power Switch is in the ON position.
 - Verify that the wall outlet is functioning correctly by plugging in another device.
- **Battery Not Charging:**
 - Ensure the V-Mount battery is correctly seated and locked into the charger's plate.
 - Check the battery contacts on both the charger and the battery for any obstructions or damage.
 - Observe the charging indicator LED for the specific channel. If it remains off or shows an error, the battery might be faulty or incompatible.
- **DC Output Not Working:**
 - Ensure the charger is powered on and connected to AC power.
 - Verify that the 4-pin XLR cable is securely connected to both the charger and the external device.
 - Confirm that the external device is compatible with a 16.5V DC input.
- **Unusual Noise from Fan:**
 - A cooling fan activating during charging, especially with multiple batteries, is normal.
 - If the noise is excessive or continuous when only one or two batteries are charging, ensure the fan vents are clear of obstructions.

If these steps do not resolve the issue, please contact Miady customer support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Model	BP-4CH
Input Voltage	AC100-240V 50/60Hz 3A Max
Output Voltage (Charging)	16.8V
Charging Current (1-2 Batteries)	3A per channel
Charging Current (3-4 Batteries)	2A per channel
DC Output	16.5V (4-pin XLR adapter)
Dimensions	16.93 x 10.91 x 6.02 inches (Package)
Item Weight	5.61 pounds
Color	Black
Safety Certifications	CE, FCC

Dimensions

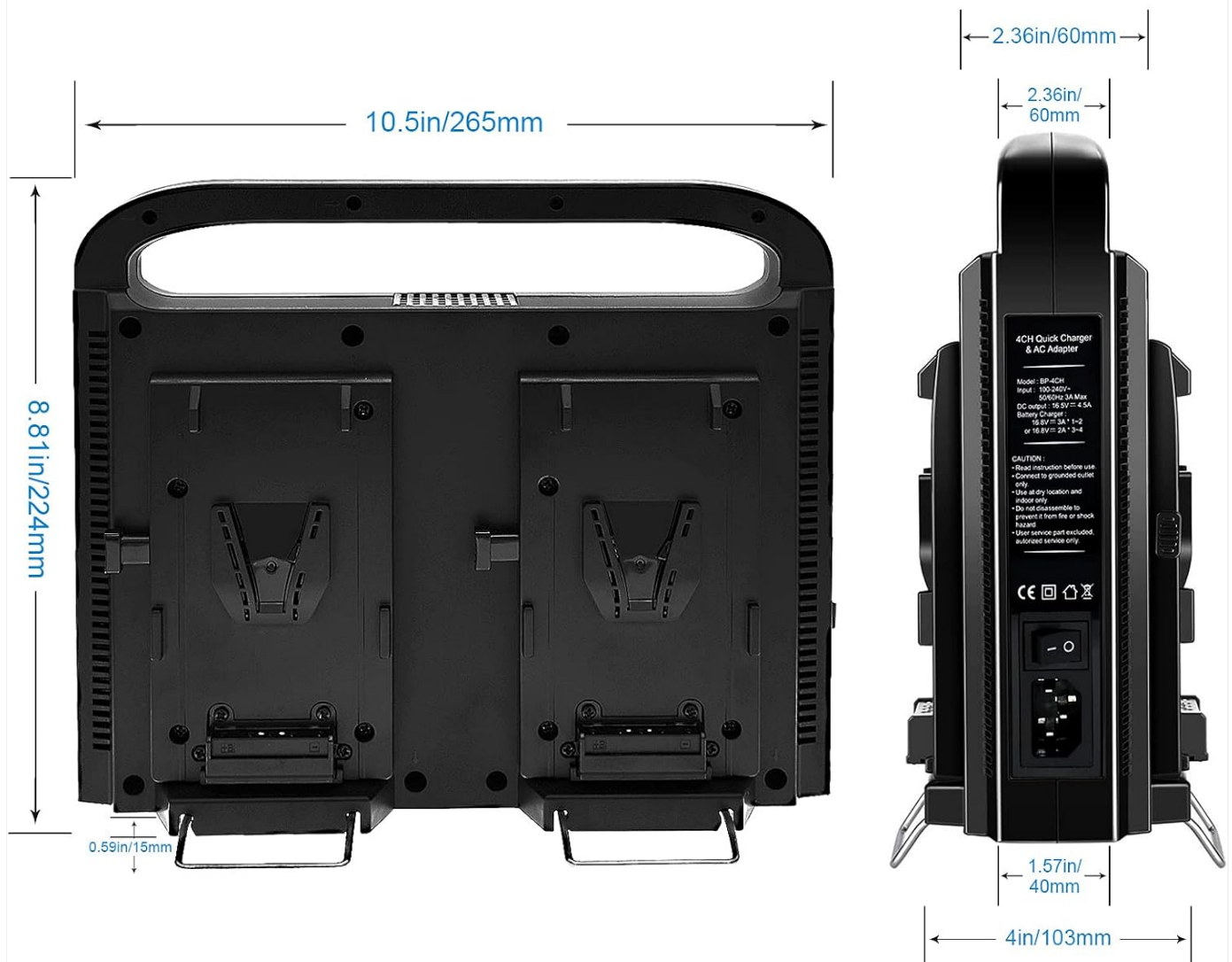


Figure 9: Dimensions of the Miady BP-4CH charger.

7. WARRANTY AND SUPPORT

Miady products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your purchase or visit the official Miady website. If you require technical support, have questions about product operation, or need assistance with troubleshooting, please contact Miady customer service. Contact details can typically be found on the product packaging or the Miady brand store on Amazon.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question