

Kastar BA-1B-BTH22-1

Kastar BA-1B-BTH22-1 Ni-MH Replacement Battery User Manual

For Sharp Camcorders

1. INTRODUCTION

This user manual provides essential information for the safe and effective use of your Kastar BA-1B-BTH22-1 Ni-MH replacement battery. This battery is designed to be compatible with a wide range of Sharp camcorder models, offering a reliable power source for your device. Please read this manual thoroughly before using the product.

Compatible Sharp Battery Models: BT-H21, BT-H21U, BT-H22, BT-H22U, BT-H32, BT-H32U, BT-H42, BT-H42U.

Compatible Sharp Camcorder Models (Partial List): VL-E765U, VL-E770H, VL-E780U, VL-E785U, VL-E850, VL-E980U, VL-H410U, VL-H420U, VL-H700, VL-H770S, VL-H800U, VL-H800DU, VL-H850S, VL-A10E, VL-A40U, VL-8, VL-8888, VL-1500, VL-1510, VL-A10, VL-A10E, VL-A10H, VL-A10S, VL-A10U, VL-A40U, VL-A45U, VL-A110U, VL-A111, VL-A111H, VL-A111S, VL-A111U, VL-A150U, VL-A160U, VL-A260U, VL-AD200U, VL-AD260U, VL-AH130U, VL-AH131, VL-AH131E, VL-AH131H, VL-AH131S, VL-AH131U, VL-AH1500, VL-AH150U, VL-AH151, VL-AH1510, VL-AH151H, VL-AH151S, VL-AH151U, VL-AH160U, VL-AH161U, VL-AH30, VL-AH30H, VL-AH30S, VL-AH30U, VL-AH50, VL-AH500U, VL-AH50E, VL-AH50H, VL-AH50S, VL-AH50U, VL-AH60U, VL-E307, VL-E33, VL-E33U, VL-E34, VL-E34H, VL-E34S, VL-E34U, VL-E37, VL-E37H, VL-E37S, VL-E37U, VL-E39, VL-E39S, VL-E39U, VL-E42U, VL-E43, VL-E43U, VL-E46, VL-E46U, VL-E47, VL-E47H, VL-E47S, VL-E47U, VL-E49, VL-E49H, VL-E49S, VL-E49U, VL-E60, VL-E62DU, VL-E65DU, VL-E66, VL-E66H, VL-E66S, VL-E66U, VL-E77, VL-E77U, VL-E78, VL-E78U, VL-E79, VL-E89, VL-E96, VL-E96E, VL-E97E, VL-E980E, VL-E98, VL-E98E, VL-E407S, VL-E420H, VL-E420U, VL-E500U, VL-E600, VL-E600U, VL-E610, VL-E610H, VL-E610S, VL-E610U, VL-E620, VL-E620S, VL-E620U, VL-E630, VL-E630H, VL-E630S, VL-E630U, VL-E650, VL-E650U, VL-E660, VL-E660S, VL-E660U, VL-E665U, VL-E680, VL-E680H, VL-E680S, VL-E680U, VL-E685U, VL-E700, VL-E700U, VL-E720, VL-E720H, VL-E720U, VL-E750U, VL-E760, VL-E760H, VL-E760U, VL-E765U, VL-E770H, VL-E77U, VL-E780, VL-E780H, VL-E780S, VL-E780U, VL-E785U, VL-E850, VL-E980, VL-E980U, VL-H410, VL-H410U, VL-H420, VL-H420U, VL-H700, VL-H770, VL-H770S, VL-H800, VL-H800U, VL-H800DU, VL-H850, VL-H850S, VL-H850U, VL-H4200, VL-H4200S, VL-H420H, VL-H420S, VL-H95, VL-S10H, VL-S1, VL-S1H, VL-S1U, VL-S5, VL-S5U, VL-SE10, VL-SE10H, VL-SE10U, VL-SE15, VL-SE20, VL-SE20H, VL-SE20U, VL-SE50U, VL-SW50, VL-S.

2. SAFETY INFORMATION AND PRECAUTIONS

To ensure safe operation and prolong the life of your battery, observe the following precautions:

- **Do not incinerate:** Exposing the battery to fire can cause explosion or leakage.

- **Do not disassemble:** Disassembling the battery can lead to internal short-circuits, leakage, or fire.
- **Do not short-circuit:** Avoid direct contact between the positive (+) and negative (-) terminals with metal objects. This can cause heat generation, fire, or explosion.
- **Dispose of properly:** Follow local regulations for battery disposal. Do not dispose of batteries with household waste.
- **Do not expose to high temperatures:** Avoid temperatures exceeding 140°F (60°C). High temperatures can damage the battery and pose a safety risk.
- Keep the battery away from water and moisture.
- Store in a cool, dry place when not in use.
- Keep out of reach of children.



Image 1: Kastar Ni-MH replacement battery showing the caution label with safety warnings.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the battery. Ni-MH batteries may require a few charge/discharge cycles to reach their full capacity. Use a compatible charger designed for Ni-MH camcorder batteries.

1. Connect the battery to a compatible camcorder battery charger.

2. Plug the charger into a power outlet.
3. Allow the battery to charge until the charger's indicator shows a full charge (refer to your charger's manual for specific indicators).

3.2 Battery Installation

To install the battery into your Sharp camcorder:

1. Ensure the camcorder is powered off.
2. Locate the battery compartment on your camcorder (typically on the back or bottom).
3. Open the battery compartment cover.
4. Align the battery with the terminals inside the compartment, ensuring the positive (+) and negative (-) contacts match.
5. Gently slide the battery into place until it clicks or locks securely.
6. Close the battery compartment cover.

Refer to your specific camcorder's user manual for detailed installation instructions if needed.

4. OPERATING INSTRUCTIONS

Once the battery is installed and charged, you can power on your camcorder and begin operation as usual. The battery provides 3.6V of power with a 2900mAh capacity, offering extended recording times compared to lower capacity batteries.

- Monitor your camcorder's battery indicator to avoid unexpected power loss during recording.
- For optimal performance, avoid completely draining the battery before recharging, though Ni-MH batteries are less prone to memory effect than older Ni-Cd types.

5. MAINTENANCE

5.1 Storage

- If storing the battery for an extended period, charge it to approximately 50-70% capacity.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove the battery from the camcorder if it will not be used for a long time to prevent slow discharge.
- Periodically check the battery's charge level during long-term storage and recharge if necessary to maintain optimal health.

5.2 Cleaning

- Keep the battery terminals clean. Use a dry, soft cloth to wipe away any dust or dirt.
- Do not use liquid cleaners or solvents on the battery.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Battery not charging	Charger not connected properly Faulty charger Dirty battery terminals Battery fully discharged (deep discharge)	Ensure secure connection. Try a different charger. Clean terminals with a dry cloth. Attempt to charge for an extended period; if still unresponsive, battery may be damaged.
Short operating time	Battery not fully charged Battery nearing end of life Extreme operating temperatures	Ensure full charge before use. Consider replacing the battery. Operate camcorder within recommended temperature ranges.
Battery does not fit camcorder	Incorrect battery model	Verify compatibility with your camcorder model using the list in Section 1.

7. SPECIFICATIONS

Model Number	BA-1B-BTH22-1
Battery Type	Ni-MH (Nickel-Metal Hydride)
Battery Voltage	3.6V
Battery Capacity	2900mAh (Milliamp Hours)
Product Dimensions	2.19 x 2.19 x 0.75 inches
Item Weight	6.4 ounces
Manufacturer	Kastar





Image 2: Kastar replacement battery packaging, indicating brand and product type.

8. WARRANTY AND SUPPORT

Kastar products typically come with a warranty. Based on product packaging information, this battery includes an **18-month warranty** from the date of purchase.

For warranty claims, technical support, or any inquiries regarding your Kastar battery, please contact the seller or Kastar customer service directly. Refer to your purchase documentation for specific contact details.

You can often find support information on the official Kastar website or through the retailer where the product was purchased.