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CS BATTERY KNB-9A

Replacement Battery User Manual

For Kenwood TK-Series Radios

PRODUCT OVERVIEW

This document provides essential information for the safe and effective use of your KOVHIHAV Replacement Battery, compatible with various Kenwood TK-series two-way radios. This battery is designed to replace original Kenwood battery part numbers KNB-12A, KNB-18A, KNB-19A, and KNB-9A.



Figure 1: Top view of the KOVHIAV Replacement Battery, highlighting the model number KNB-9A, voltage, and capacity specifications.

Key Features:

- **Voltage:** 7.2V
- **Capacity:** 1200mAh / 8.64Wh
- **Dimensions:** 60.20 x 57.84 x 30.92mm
- **Weight:** Approximately 226g
- **Safety Protection:** Features over-charge, over-discharge, over-heat, over-current, and short-circuit protection.

Compatible Kenwood Radio Models:

- TK-250, TK-250G, TK-255, TK-259
- TK-350, TK-350G, TK-350N, TK-353, TK-353N, TK-355, TK-359
- TK-430, TK-431

Note: Please verify that your radio model or existing battery part number matches those listed above for compatibility.

SAFETY INFORMATION

Read all safety instructions before using the battery. Failure to follow these instructions may result in fire, electric shock, or other injury.

- **Do not disassemble:** Never attempt to open or disassemble the battery pack.
- **Avoid short circuits:** Do not short-circuit the battery terminals. This can cause severe damage to the battery and pose a fire hazard.
- **Temperature:** Do not expose the battery to temperatures exceeding 40°C (104°F) or below -10°C (14°F).
- **Disposal:** Dispose of used batteries according to local regulations. Do not dispose of in fire.
- **Charging:** Use only chargers specified for Ni-MH rechargeable battery packs.
- **Damage:** Do not use the battery if it appears damaged, swollen, or leaking.



Figure 2: Side view of the battery, displaying the caution label with important safety instructions regarding disassembly, short-circuiting, and temperature limits.

SETUP AND INSTALLATION

Follow these steps to properly install the replacement battery into your compatible Kenwood radio.

1. **Power Off Radio:** Ensure your Kenwood radio is completely powered off before attempting to remove or install the battery.
2. **Remove Old Battery (if applicable):** Locate the battery release latch on your radio. Press the latch and slide the old battery pack away from the radio body.
3. **Align New Battery:** Align the new KOVHIHAV replacement battery with the battery compartment rails on the back of your radio. Ensure the metal contacts on the battery align with the contacts on the radio.
4. **Slide and Secure:** Gently slide the battery into the compartment until it clicks securely into place. Verify that the battery is firmly attached and does not wobble.



Figure 3: Bottom view of the battery, illustrating the metal contact points that connect to the radio for power and charging.

OPERATING INSTRUCTIONS

This section covers basic operation and charging of your replacement battery.

Initial Charging:

Before first use, fully charge the battery. This helps to condition the battery for optimal performance and longevity.

1. Connect your Kenwood radio (with the new battery installed) to its compatible charger.
2. Ensure the charger's indicator light shows that charging is in progress.
3. Allow the battery to charge completely, typically indicated by the charger's light changing color or turning off. Refer to your radio's charger manual for specific charging indicators.

Regular Use:

- The battery is designed for daily use with compatible Kenwood TK-series radios.
- Monitor your radio's battery indicator to determine when recharging is necessary.
- Avoid completely draining the battery frequently, as this can reduce its overall lifespan.

MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your battery.

- **Cleaning:** Periodically clean the battery contacts and the radio's contacts with a clean, dry cloth to ensure good electrical connection.
- **Storage:** If storing the battery for an extended period (more than one month), charge it to approximately 50% capacity and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Recharge Cycle:** For long-term storage, recharge the battery to 50% every 3-6 months to prevent deep discharge.
- **Avoid Impact:** Do not drop the battery or subject it to strong impacts.



Figure 4: Angled bottom view of the battery, highlighting the contact points that require periodic cleaning for optimal performance.

TROUBLESHOOTING

If you encounter issues with your replacement battery, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Battery not charging	• Improperly seated battery • Dirty battery/charger contacts • Faulty charger • Battery too hot/cold	• Re-seat the battery firmly. • Clean battery and charger contacts. • Try a different compatible charger. • Allow battery to reach room temperature.

Problem	Possible Cause	Solution
Radio not powering on with new battery	- Battery not fully charged - Battery not properly installed - Incompatible battery model	- Charge the battery fully. - Ensure battery is securely clicked into place. - Verify battery part number and radio model compatibility.
Shortened operating time	- Battery not fully charged - Battery nearing end of lifespan - Operating in extreme temperatures	- Ensure full charge before use. - Consider replacing the battery if it's old. - Operate radio within recommended temperature ranges.

SPECIFICATIONS

Product Name	KOVHIHAV Replacement Battery
Brand	CS BATTERY
Compatible Part Numbers	KNB-12A, KNB-18A, KNB-19A, KNB-9A
Battery Cell Composition	Ni-MH (Nickel-Metal Hydride)
Voltage	7.2V
Capacity	1200mAh / 8.64Wh
Dimensions (L x W x H)	60.20 x 57.84 x 30.92mm (2.37 x 2.28 x 1.22 inches)
Weight	226g
Manufacturer	cs battery
ASIN	B094JBN56R

Note on Battery Chemistry: The product image label clearly states "NI-MH Rechargeable Battery Pack". While the product specifications in some listings might vary, the physical product label is considered the primary source for this detail.

WARRANTY AND SUPPORT

For any questions or support regarding your KOVHIHAV Replacement Battery, please contact the manufacturer or seller.

- Manufacturer:** CS BATTERY (Cameron Sino Technology Limited)
- Contact:** The product description mentions "if you have any questions, Please feel free to send eamil contact us,and we will reply within 24 hours." For specific contact details, please refer to your purchase documentation or the seller's information on the platform where the product was acquired.
- Warranty:** Specific warranty terms are not provided in this document. Please refer to the seller's policy or contact them directly for warranty information.

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