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TAKOCI BL1506

User Manual for TAKOCI Replacement Battery

MODEL: BL1506 (COMPATIBLE WITH HYTERA BD500, BD505, BD555)

Introduction

This manual provides essential information for the safe and effective use of your TAKOCI BL1506 Replacement Battery. This Li-ion rechargeable battery pack is designed to be fully compatible with Hytera BD500, BD505, and BD555 two-way radios, and replaces original battery part numbers BL1506 and BL2018.

Please read this manual thoroughly before initial use to ensure optimal performance and longevity of your battery.



Image: Front view of the TAKOCI BL1506 Replacement Battery, displaying its label with model number BL1506, Li-ion rechargeable battery pack, DC 7.4V, 14.80Wh, and 2000 mAh capacity. The Takoci logo and various certifications are also visible.

Setup

Before using your new battery, please follow these setup instructions:

- 1. Initial Inspection:** Carefully unbox the battery and inspect it for any visible damage. Do not use the battery if it appears damaged.
- 2. Compatibility Check:** Ensure that the battery model number (BL1506) and part numbers (BL1506, BL2018) match your device's requirements. This battery is specifically designed for Hytera BD500, BD505, and BD555 two-way radios.
- 3. Installation:**
 - Turn off your Hytera two-way radio before installing or removing the battery.
 - Align the battery with the battery compartment on your radio.
 - Gently slide the battery into place until it clicks securely. Ensure it is firmly seated to prevent accidental disconnection.
- 4. Initial Charge:** It is recommended to fully charge the battery before its first use. Connect your radio with the installed battery to its charger and allow it to charge until the charging indicator shows a full charge.



Image: Side view of the TAKOCI BL1506 Replacement Battery, illustrating its form factor and how it would connect to a compatible radio.

Operating

To maximize the performance and lifespan of your TAKOCI battery, observe the following operational guidelines:

- **Charging Cycles:** For optimal battery health, especially during the first 3 charging and discharging cycles, it is highly recommended to fully drain the battery before recharging it completely. This practice can significantly improve the overall life of the battery.
- **Regular Use:** Use the battery regularly. Storing a battery fully charged or fully discharged for extended periods can reduce its capacity over time.
- **Temperature:** Operate the battery within recommended temperature ranges. Extreme cold or heat can negatively impact battery performance and longevity.
- **Charging Safety:** Always use a charger compatible with Hytera BD series radios. The battery features built-in overcurrent, overcharge, overvoltage, overheat, and short circuit protection circuits for safe charging.





Image: Top-down view of the TAKOCI BL1506 Replacement Battery, highlighting the gold-plated contact points and the detailed product label.

Maintenance

Proper maintenance ensures the longevity and reliability of your battery:

- **Cleaning:** Periodically clean the battery contacts with a clean, dry cloth to ensure good electrical connection. Do not use abrasive cleaners or solvents.
- **Storage:** If storing the battery for an extended period, charge it to about 50% capacity and store it in a cool, dry place away from direct sunlight and extreme temperatures. Recharge it every 3-6 months to prevent deep discharge.
- **Avoid Physical Damage:** Protect the battery from drops, impacts, and punctures. Do not tamper with or attempt to open the battery casing.
- **Disposal:** Dispose of old or damaged batteries responsibly according to local regulations. Do not dispose of batteries in household waste or by incineration.



Image: Back view of the TAKOCl BL1506 Replacement Battery, featuring a textured grip surface and the mechanism for attaching it to a radio.

Troubleshooting

If you encounter issues with your TAKOCl battery, consider the following common solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Battery not charging	Loose connection Faulty charger Dirty battery contacts Battery deeply discharged	Ensure battery is securely seated in the radio and charger. Try a different, known-good charger. Clean battery contacts with a dry cloth. Attempt to charge for a longer period; some deeply discharged batteries may take time to initiate charging.
Short battery life	New battery not conditioned Operating in extreme temperatures Aging battery High power consumption by radio	Perform 3 full charge/discharge cycles. Use the radio and battery within recommended temperature ranges. Consider replacing the battery if it's old and capacity has significantly degraded. Reduce radio usage on high power settings if possible.
Battery feels hot during charging/use	Normal operation (slight warmth) Overcharging or faulty battery Environmental heat	Slight warmth is normal. If excessively hot, disconnect immediately and contact support. Ensure adequate ventilation around the radio and charger.

If you are not sure about a problem or need further assistance, please send an email to the seller with your battery details or pictures. They will provide professional suggestions.

Specifications

Detailed technical specifications for the TAKOCI BL1506 Replacement Battery:

Model No.	BL1506
Compatible Part Numbers	BL1506, BL2018
Compatible Radio Models	Hytera BD500, BD505, BD555
Battery Type	Li-ion (Lithium Ion)
Voltage	7.4V
Capacity	2000mAh / 14.80Wh
Net Weight	90.2g / 3.18oz
Dimensions (L x W x H)	84.75 x 52.04 x 20.75mm (approx. 3.35 x 2.05 x 0.83 inches)
Manufacturer	TAKOCI
Country of Origin	China





Image: Top-down view of the back of the TAKOCI BL1506 Replacement Battery, displaying the textured surface designed for grip and the two circular attachment points.

Warranty and Support

For warranty information or technical support regarding your TAKOCI BL1506 Replacement Battery, please refer to the purchase platform or contact the seller directly. Ensure you have your purchase details and the battery's model number ready when seeking support.

It is important to ensure both the model and battery part number are matched with your device. If you are unsure about compatibility or have any questions, please contact the seller for professional suggestions before making a purchase or attempting installation.



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This manual is for informational purposes only. Specifications are subject to change without notice.