

## **T80 T80Ex(IXNN4002B)**

# **Generic 1350mAh (IXNN4002B) Replacement Battery Instruction Manual**

For Motorola TLKR T80, T80Ex, XTR446, XTB446, XT180, XTK446, TLKR T61, T81, T5, T6, T7, T8, T50, T60  
Radios

## **INTRODUCTION**

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This manual provides essential information for the safe and effective use of your new 1350mAh (IXNN4002B) replacement battery. This battery is designed for compatibility with various Motorola TLKR and XT series two-way radios. Please read these instructions carefully before installation and use.

## **PACKAGE CONTENTS**

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- 1 x 1350mAh (IXNN4002B) Replacement Battery
- 1 x Repair Kit with Tools (may include pry tools, screwdrivers, suction cup, and picks)

# Repair Tool

Just for your better shopping experience



Image: The included repair kit contains various tools such as pry tools, picks, and a suction cup, designed to assist with battery replacement.

## SETUP AND INSTALLATION

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The replacement battery is designed to precisely match the original battery's dimensions, making installation straightforward for most users. A repair kit is included to assist with the process.

1. **Power Off Device:** Ensure your Motorola radio is completely powered off before beginning the battery replacement.
2. **Remove Old Battery:** Carefully open the battery compartment of your radio. Use the provided tools from the repair kit to gently pry open the casing or remove any screws if necessary. Disconnect and remove the old battery.
3. **Install New Battery:** Connect the new 1350mAh (IXNN4002B) battery to the radio's battery connector. Ensure it is seated correctly within the battery compartment.
4. **Secure Compartment:** Close the battery compartment, ensuring all clips or screws are securely fastened.

# SUPER STABILITY DESIGN



Image: The 1350mAh replacement battery, ready for installation into compatible Motorola two-way radios.

## OPERATING INSTRUCTIONS

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Proper initial charging is crucial for activating the battery's full capacity and ensuring long-term performance.

1. **Initial Charge Cycle:** After replacing the battery, fully discharge the battery until the device powers off. Then, fully charge it without interruption. Repeat this full discharge and full charge cycle 3-5 times to activate the battery's full capacity.
2. **Charging:** Always use the original charger and data cable provided with your radio to charge the battery. Using incompatible chargers may damage the battery or affect its performance.
3. **Normal Use:** Once activated, the battery is ready for normal operation. The 1350mAh capacity provides extended standby and usage time.

## MAINTENANCE AND CARE

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Following these guidelines will help prolong the life and maintain the performance of your battery.

- **Optimal Charge Level:** To prevent a decrease in chemical activity and maintain battery performance, it is recommended to keep the battery level within the range of 20% - 80%. Avoid consistently discharging the battery below 20% or keeping it at

100% for extended periods.

- **Avoid Overheating:** Prolonged use under high load, such as playing games while charging, can cause the battery to overheat and accelerate aging.
- **Long-Term Storage:** If the battery will not be used for an extended period, charge it regularly (e.g., once every 3 months) to maintain its activity and prevent damage from natural discharge. Store in a cool, dry place.

Safe and stable  
good quality  
strong endurance

Compare with other batteries after one year of use

YKaiserin

other

Li-ion Polymer Batteries  
Voltage: 3.8V  
Charge Limit: 4.4V  
GB31241-2014, GB/T18287-2013  
Made in China

**Standby time is longer, good to play**

Image: A visual comparison illustrating how a new battery maintains a higher charge level over time compared to an older, degraded battery.

## LASTING POWER

safe and durable with the charge



New battery,  
sufficient battery,  
no harm

VS



Old battery,  
faster and more  
mobile phone

Image: An exploded view diagram illustrating the multi-layer internal structure of the battery, highlighting its stability design.

### TROUBLESHOOTING

- **Battery Not Charging:** If the battery does not appear to charge, it may have entered a self-protection mode during transportation. Try charging the battery for up to 10 hours using a high-power charger. If a high-power charger is not available, use the original charger. This process can reactivate the battery.





Temperature Protection



Circuit Protection



Reste Protection



Input Overvoltage Protection



Hardware Overcurrent  
Protection



Output Overvoltage  
Protection



Input Anti-Reverse  
Protection



Battery Overcharge  
Protection

Image: A diagram detailing the battery's integrated intelligent chip, which provides multiple safety features such as temperature, circuit, overcharge, and overcurrent protection.

SPECIFICATIONS

Battery Model	T80 T80Ex (IXNN4002B)
Capacity	1350mAh
Battery Cell Composition	Lithium Polymer
Compatible Radios	Motorola TLKR T80, T80Ex, XTR446, XTB446, XT180, XTK446, TLKR T61, T81, T5, T6, T7, T8, T50, T60
Item Weight	7.8 ounces
Package Dimensions	3.94 x 3.94 x 1.57 inches

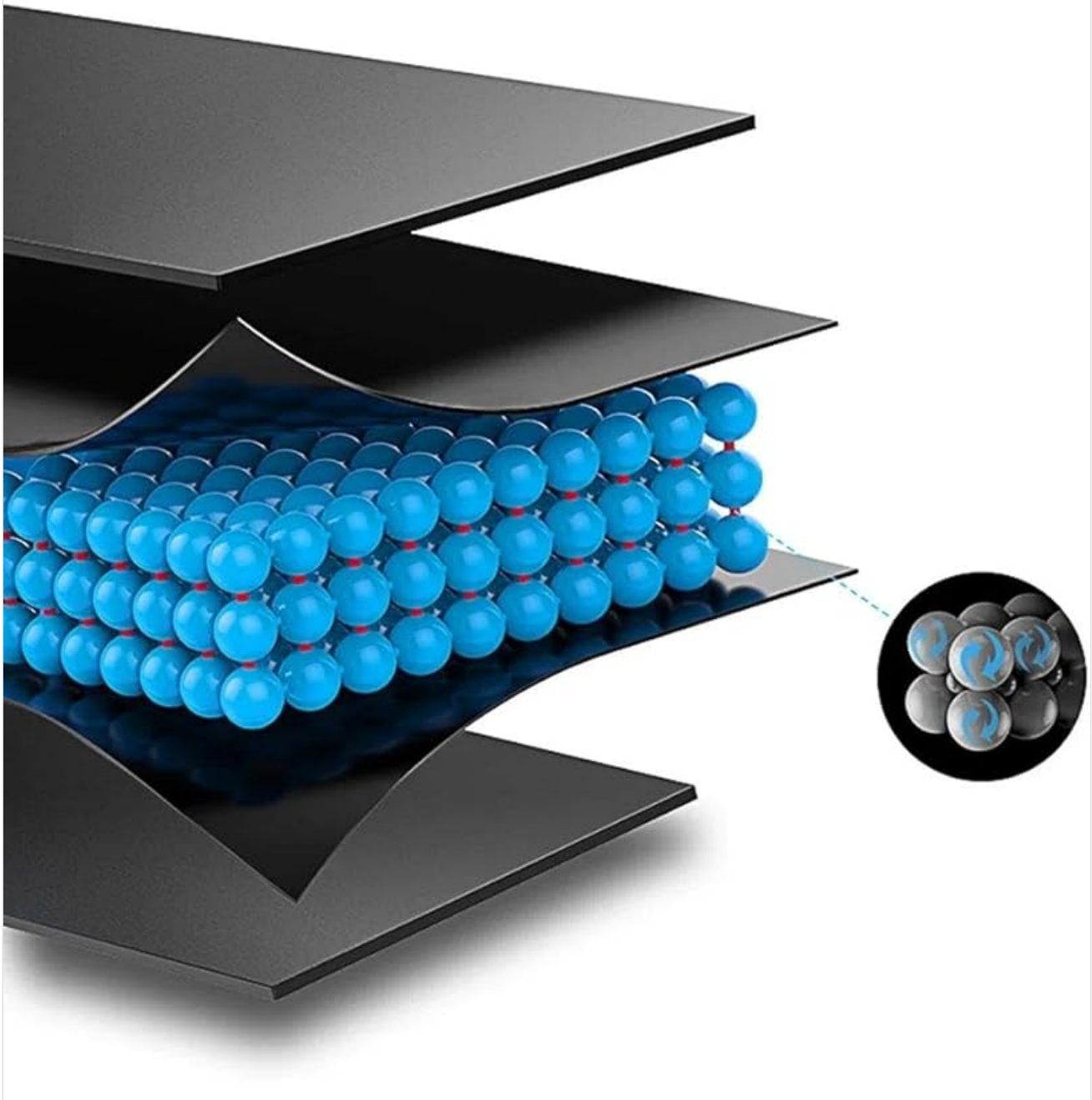
# Performance improvement

Double Li-ion for KiKiss battery than other's single Li-ion battery, means higher conversion ,faster charging speed, Longer usage time.....

30%  
faster charging speed

95%  
high conversion

2 times  
usage time



Single Li-ion  
300-400W/L

Double Li-ion  
800W-L

Other Battery

KiKiss Battery

Image: A diagram illustrating the performance benefits of a double Li-ion battery design, including faster charging speed and higher conversion efficiency, compared to a single Li-ion battery.