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Motorola Solutions NNTN7687A

Motorola NNTN7687A Adapter User Manual

Model: NNTN7687A

Brand: Motorola Solutions

1. Introduction

1.1 Product Overview

The Motorola NNTN7687A Adapter is a specialized accessory designed to facilitate the charging of Motorola APX series radio batteries within existing Motorola XTS single-unit chargers, specifically the WPLN4111 model. This adapter acts as an insert, allowing seamless compatibility between newer APX batteries and older XTS charging infrastructure, provided the charger meets specific software requirements.

Figure 1: Front view of the Motorola NNTN7687A Adapter.

1.2 Key Features

- Enables charging of APX batteries in XTS WPLN4111 single-unit chargers.
- Compact and durable design.
- Designed for seamless integration with compatible Motorola charging systems.
- Country of Origin: Malaysia.

1.3 Package Contents

- 1 x Motorola NNTN7687A Adapter

2. Setup

2.1 Compatibility Requirements

The NNTN7687A Adapter is specifically designed for use with the Motorola XTS single-unit charger model WPLN4111. It is crucial that the WPLN4111 charger has been updated with software version 3.4 or greater for the adapter to function correctly. This ensures proper communication and charging protocols between the charger, adapter, and APX battery.

The adapter is compatible with Motorola two-way radios using APX batteries.

Figure 2: Side view of the adapter, highlighting the warning label.

2.2 Installation Steps

1. **Verify Charger Software:** Before installing the adapter, ensure your Motorola XTS single-unit charger (WPLN4111) has software version 3.4 or greater. Refer to your charger's manual or Motorola support for instructions on checking and updating software if necessary.
2. **Insert Adapter:** Carefully align the NNTN7687A Adapter with the battery slot of the WPLN4111 charger. The adapter is designed to fit snugly into the existing charging bay. Gently push the adapter down until it is fully seated and stable within the charger.
3. **Confirm Secure Fit:** Ensure the adapter is firmly in place and does not wobble. A secure connection is essential for proper battery charging.

3. Operation

3.1 Charging Procedure

Once the NNTN7687A Adapter is correctly installed in the WPLN4111 charger, you can proceed with charging your APX batteries.

1. **Connect Charger:** Ensure the WPLN4111 charger is connected to a suitable power source.
2. **Insert APX Battery:** Carefully insert the APX battery into the NNTN7687A Adapter. The battery should slide in smoothly and click into place, indicating a secure connection.
3. **Monitor Charging Indicator:** Observe the charging indicator light on the WPLN4111 charger. The light behavior (e.g., solid red for charging, solid green for fully charged) will indicate the battery's charging status. Refer to your WPLN4111 charger's manual for specific indicator meanings.
4. **Remove Battery:** Once the battery is fully charged, carefully remove it from the adapter.

Important: Always ensure the battery is correctly seated in the adapter and the adapter is securely in the charger before initiating charging. Improper seating may prevent charging or damage the battery/charger.

4. Maintenance

4.1 Cleaning

To ensure optimal performance and longevity of your NNTN7687A Adapter, regular cleaning is recommended:

- Disconnect the charger from the power source before cleaning.
- Use a soft, dry, lint-free cloth to wipe the exterior of the adapter.
- For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals, solvents, or abrasive cleaners.
- Ensure no moisture enters the adapter's internal components or the charger's contacts.
- Periodically inspect the charging contacts on the adapter and the charger for any debris or corrosion. Clean gently with a cotton swab if necessary.

4.2 Storage

When not in use, store the adapter in a cool, dry place, away from direct sunlight, extreme temperatures, and humidity. Keep it free from dust and debris.

5. Troubleshooting

5.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Battery not charging.	Adapter not seated correctly in charger. APX battery not seated correctly in adapter. WPLN4111 charger software version is below 3.4. Charger not powered. Damaged adapter or battery.	Ensure adapter is fully inserted into the WPLN4111 charger. Ensure APX battery is fully inserted into the adapter. Verify charger software version. Update if necessary. Check power connection to the charger. Inspect adapter and battery for visible damage. Contact support if damaged.
Adapter feels loose in charger.	Improper insertion. Physical damage to adapter or charger slot.	Re-insert the adapter, ensuring it clicks into place. Inspect for damage. If damaged, replacement may be necessary.
Charger indicator light behaves unexpectedly.	Refer to WPLN4111 charger manual for specific light codes. Compatibility issue (software version).	Consult your WPLN4111 charger's user manual. Confirm charger software is 3.4 or greater.

If the issue persists after attempting these solutions, please contact Motorola Solutions customer support for further assistance.

6. Specifications

Attribute	Detail
Model Number	NNTN7687A
Product Type	Two Way Radio Charger Adapter
Compatible Chargers	Motorola XTS Single-Unit Charger (WPLN4111) with software version 3.4 or greater
Compatible Batteries	Motorola APX series batteries
Color	Black
Item Weight	0.32 ounces (approx. 9.07 g)
Product Dimensions	3.1 x 2.25 x 1.9 inches (approx. 7.87 x 5.72 x 4.83 cm)
Package Dimensions	10.16 cm (L) x 12.192 cm (W) x 1.777 cm (H)
Country of Origin	Malaysia

Figure 3: Back view of the Motorola NNTN7687A Adapter.

7. Warranty and Support

7.1 Warranty Information

For detailed warranty information regarding your Motorola NNTN7687A Adapter, please refer to the warranty documentation provided with your original purchase or visit the official Motorola Solutions website. Warranty terms and conditions may vary by region and product.

7.2 Customer Support

If you require technical assistance, have questions about product compatibility, or need to report an issue, please contact Motorola Solutions customer support. You can typically find contact information on the official Motorola Solutions website or through your product's original packaging.

For more information, visit the Motorola Solutions Store.

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