Motorola Solutions NNTN8860A

Motorola IMPRES 2 Single-Unit Charger User Manual

Model: NNTN8860A

Product Overview

The Motorola IMPRES 2 Single-Unit Charger (Model NNTN8860A) is designed to keep your radio batteries charged efficiently and intelligently. This charger features automated battery management, providing precise information on each battery's status within your fleet. It ensures batteries are fully charged and can last for an entire shift, enhancing communication reliability and safety.
Key enhancements of the IMPRES 2 single unit chargers include a significantly increased charge rate, an enable/disable calibration switch, and two integrated USB charging ports. It is optimized for IMPRES 2 batteries, which offer increased charge cycles, improved submersibility, and higher capacity.

Important Safety Instructions

- Read all instructions carefully before using the charger.
- Do not expose the charger to rain or moisture.
- Use only with specified Motorola IMPRES 2 batteries. Using other battery types may cause personal injury and damage.
- Ensure the power cord is not damaged or frayed. Do not operate the charger if the cord or plug is damaged.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Do not disassemble the charger. Refer all servicing to qualified service personnel.
- Avoid placing the charger in direct sunlight or near heat sources.

Package Contents

Verify that all items listed below are included in your package:

- Motorola IMPRES 2 Single-Unit Charger (NNTN8860A)
- 120V US Plug Power Supply



Image: The Motorola IMPRES 2 Single-Unit Charger (right) and its accompanying 120V US plug power supply (left).



Image: The product packaging box for the Motorola IMPRES 2 Single-Unit Charger, showing model number NNTN8860B on the label.

Setup Guide

Connecting the Power Supply

1. Connect the barrel connector of the power supply to the DC input port on the back of the charger unit.
2. Plug the 120V US plug of the power supply into a standard wall outlet.



Image: A close-up view of the 120V US plug power adapter for the Motorola IMPRES 2 charger.

Placing the Charger

- Place the charger on a flat, stable surface.
- Ensure there is adequate ventilation around the charger.

Operating the Charger

Charging a Battery

1. Ensure the charger is properly connected to a power source.
2. Align the battery with the charging contacts in the charger pocket.
3. Gently slide the battery into the charger pocket until it clicks into place.
4. The charger's LED indicator will illuminate to show the charging status.
5. Once charging is complete, the LED will indicate a full charge. Remove the battery by lifting it out of the pocket.

Understanding LED Indicators

The IMPRES 2 charger features intuitive LED indicators to communicate the battery's status:



Image: A close-up of the Motorola IMPRES 2 Single-Unit Charger showing the various LED indicators for charging status, error, service life, and reconditioning.

LED Indicator	Status
Solid Green	Battery is fully charged.
Flashing Green	Battery is charging (rapid charge).
Solid Red	Error condition (e.g., battery fault, incorrect battery type).

LED Indicator	Status
Flashing Red	Battery is too hot or too cold for charging. Remove and allow to reach room temperature.
Solid Amber	Battery is undergoing reconditioning or recalibration.
Flashing Amber	Battery has reached end of service life or requires reconditioning.

Compatible Batteries and Radios

This charger is specifically designed for Motorola IMPRES 2 batteries. It is compatible with various Motorola radios that utilize IMPRES 2 battery technology, including but not limited to:

- Motorola SRX2200 Radios
- Motorola APX 8000 Radios



Image: A Motorola SRX2200 radio, compatible with IMPRES 2 batteries charged by this unit.



Image: Multiple Motorola APX 8000 radios, which use IMPRES 2 batteries compatible with this charger.



Image: A group of Motorola APX 8000 radios in various colors, demonstrating the range of compatible devices.

Maintenance

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a soft, dry cloth to wipe the exterior of the charger. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place when not in use. Avoid extreme temperatures and humidity.
- **Contact Points:** Periodically inspect the charging contacts for dirt or debris. Clean gently with a cotton swab if necessary.

Troubleshooting

Problem	Possible Cause	Solution
Charger LED does not light up.	No power to the charger.	Check power cord connection to the charger and wall outlet. Ensure the outlet is functional.
Battery not charging (Solid Red LED).	Battery fault or incompatible battery.	Remove and reinsert the battery. Ensure it is a genuine Motorola IMPRES 2 battery. If the issue persists, the battery may be faulty.
Flashing Red LED.	Battery temperature is outside optimal range.	Remove the battery from the charger and allow it to reach room temperature (15°C to 35°C / 59°F to 95°F) before reattempting to charge.
Flashing Amber LED.	Battery requires reconditioning or is at end of service life.	Allow the charger to complete the reconditioning cycle (Solid Amber). If it continues to flash amber after multiple attempts, the battery may need replacement.

Product Specifications

Feature	Specification

Feature	Specification
Brand	Motorola Solutions
Model	NNTN8860A (IMPRES 2 Single Unit Charger)
Input Voltage	120V AC (US Plug)
Output Voltage	2.3E+2 Volts (DC)
Item Weight	1.48 pounds
Product Dimensions	10 x 7 x 3 inches (approx.)
Color	Black
Safety Standard	UL Certified
Compatibility	Motorola IMPRES 2 Batteries

Additional Resources

For more detailed information and technical specifications, please refer to the official fact sheet:
Motorola IMPRES 2 Single-Unit Charger Fact Sheet (PDF)

Warranty and Support

This Motorola Solutions product is covered by a manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the documentation included with your purchase or visit the official Motorola Solutions website.
For technical support, troubleshooting assistance, or warranty claims, please contact Motorola Solutions customer service directly. Contact information can typically be found on the Motorola Solutions website or in your product's packaging.

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Example: How do I reset this device or fix this error?

Details

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