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Nusican N17

NUSICAN N17 Portable Car Jump Starter User Manual

Model: N17

1. Introduction

Thank you for choosing the NUSICAN N17 Portable Car Jump Starter. This device is designed to safely and efficiently jump-start 12V vehicles, including cars, trucks, motorcycles, SUVs, ATVs, UTVs, dirt bikes, snowmobiles, boats, lawnmowers, trailers, RVs, and tractors. It features a powerful 1000A peak current, a 12800mAh battery capacity, and can start engines up to 7.0L gasoline or 5.5L diesel. Additionally, it functions as a portable power bank and includes a multi-mode LED flashlight for emergencies.
Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage to the device or your vehicle.

2. Safety Information

Always observe the following safety precautions when using the NUSICAN N17 Jump Starter:

- Keep the device away from children.
- Do not expose the device to rain or moisture. While it has an IP65 water resistance rating, prolonged exposure to water should be avoided.
- Do not disassemble, modify, or attempt to repair the device. Contact customer support if service is required.
- Avoid dropping or subjecting the device to strong impacts.
- Do not use the jump starter if the clamps or cables are damaged.
- Ensure proper polarity when connecting the clamps to the vehicle battery (red to positive, black to negative). The smart clamp includes reverse polarity protection.
- Do not connect the positive and negative clamps together.
- Remove the jump starter from the vehicle battery within 30 seconds after the vehicle starts.
- Operate the device within the specified temperature range of -20°C to 70°C (-4°F to 158°F).
- Charge the jump starter in a well-ventilated area.

3. Package Contents

Verify that all items are present in your package:

- 1x NUSICAN Portable Lithium-ion Jump Pack (N17)
- 1x Intelligent Jumper Clamp
- 1x USB Type-C Cable
- 1x User Manual



Image: Contents of the NUSICAN N17 Jump Starter package, showing the main unit, smart clamps, USB-C charging cable, and the user manual.

4. Product Overview

The NUSICAN N17 is equipped with advanced features for reliable performance:

- **QDSP 3.0 Technology:** Provides enhanced current for quick and efficient jump-starting.
- **Smart Clamp Cables:** Features 8 safety protection systems including reverse polarity, reverse connection, overcurrent, overvoltage, overload, overcharge, over discharge, and short circuit protection. An LCD screen on the clamp displays real-time voltage and alerts for improper operations.

- **Multi-functional LED Flashlight:** Includes three modes: Stable light for illumination, SOS signal for emergencies, and Strobe light for warning.
- **Portable Power Bank:** Two USB output ports for charging various electronic devices and a Type-C input for fast recharging of the jump starter itself.
- **Durable Design:** IP65 water resistance and robust construction for use in various weather conditions (-20°C to 70°C).



Image: The intelligent jumper clamps with an integrated LCD screen, showing real-time voltage detection and indicators for reverse charge (RC) and short circuit (SC).



Image: The NUSICAN N17 Jump Starter highlighting its built-in LED flashlight with three modes: stable illumination, SOS signal, and strobe light, useful for emergency lighting, camping, and signaling.



Image: The NUSICAN N17 Jump Starter demonstrating its function as a portable power bank, with two USB output ports and a Type-C input, capable of charging phones, tablets, Kindles, GPS devices, cameras, and PSPs.

5. Charging the Jump Starter

Before first use, ensure the jump starter is charged over 75%.

1. Connect the provided USB Type-C cable to the Type-C input port on the jump starter.
2. Connect the other end of the USB Type-C cable to a USB wall adapter (not included) or a car charger.
3. The LED indicator lights on the jump starter will illuminate to show the charging progress. All lights will be solid when fully charged.
4. A full charge typically takes approximately 4 hours using a fast charger.

6. Operating Instructions

6.1. Jump Starting a Vehicle

Follow these steps to jump-start your vehicle:

1. **Preparation:** Ensure the jump starter is charged above 75%. Turn off your vehicle's ignition and all accessories (lights, radio, etc.).
2. **Connect Clamps:** Connect the red (+) clamp of the intelligent jumper cable to the positive (+) terminal of your vehicle's battery. Connect the black (-) clamp to the negative (-) terminal of your vehicle's battery. The smart clamp's LCD screen will display the battery voltage.
3. **Connect to Jump Starter:** Insert the blue plug of the intelligent jumper cable into the jump starter's EC5 port. Ensure a secure connection.
4. **Start Vehicle:** Once connected, the jump starter will automatically detect the battery. If the connections are correct, the smart clamp will indicate readiness. Start your vehicle's engine.
5. **Remove Clamps:** After the vehicle starts, immediately remove the blue plug from the jump starter, then disconnect the black (-) clamp, followed by the red (+) clamp from the vehicle battery.



Image: A four-step visual guide demonstrating how to use the NUSICAN N17 Jump Starter: 1. Connect clamps to battery, 2. Plug into

jump starter, 3. Start vehicle, 4. Disconnect clamps.

6.2. Using as a Power Bank

To charge your electronic devices:

1. Connect your device's USB charging cable to one of the USB output ports on the jump starter.
2. The jump starter will automatically begin charging your device.

6.3. Using the LED Flashlight

The built-in LED flashlight has three modes:

1. Press and hold the power button for 3 seconds to turn on the stable light.
2. Press the power button again to cycle to SOS mode.
3. Press the power button a third time to cycle to Strobe mode.
4. Press the power button a fourth time to turn off the flashlight.

7. Maintenance

- **Charging:** For optimal battery life, fully charge the jump starter every 3-6 months, even if not in use.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use harsh chemicals or abrasive materials.
- **Battery Care:** Avoid fully discharging the jump starter frequently, as this can reduce battery lifespan.

8. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

- **Vehicle does not start:**
  - Check if the intelligent jumper clamp's LCD screen displays any error messages (e.g., "RC" for reverse charge, "SC" for short circuit). Correct any improper connections.
  - Ensure the jump starter has sufficient charge (at least 3 LED indicators).
  - Verify that the clamps are securely connected to the correct battery terminals.
  - The vehicle battery might be severely discharged or damaged. In such cases, multiple attempts or a professional mechanic may be needed.
- **Jump starter not charging:**
  - Ensure the USB Type-C cable is properly connected to both the jump starter and the power source.
  - Try a different USB wall adapter or cable.
- **Smart clamp shows "LV" (Low Voltage):** This indicates the vehicle battery voltage is too low. Proceed with jump-starting as normal, ensuring all connections are correct.
- **Smart clamp shows "HV" (High Voltage):** This indicates the vehicle battery voltage is too high. Do not attempt to jump-start. Consult a professional.

9. Specifications

Feature	Specification
Model	N17
Peak Current	1000A
Battery Capacity	12800mAh
Output Voltage	12V
Engine Compatibility (Gas)	Up to 7.0L
Engine Compatibility (Diesel)	Up to 5.5L
Operating Temperature	-20°C to 70°C (-4°F to 158°F)
Water Resistance	IP65
USB Output	2 ports
Charging Input	Type-C
Dimensions	17.78 x 10.16 x 5.08 cm
Weight	608 g

10. Warranty and Support

The NUSICAN N17 Portable Car Jump Starter comes with a 2-year warranty, ensuring replacement service for any manufacturing defects. We also provide lifetime technical support for our products.
If you have any questions, concerns, or require assistance with your NUSICAN N17 Jump Starter, please do not hesitate to contact our customer support team. We are committed to providing prompt and helpful service.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I reset the Nusican N17 Portable Car Jump Starter?

The Nusican N17 Portable Car Jump Starter does not have a dedicated physical "reset" button. However, you can effectively reset the device's operation or clear error states by following these steps: Disconnect and Reconnect:...

Read full answer

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