

DEWALT DXAEJ14-Type3

DEWALT DXAEJ14 Digital Portable Power Station Jump Starter User Manual

Model: DXAEJ14-Type3

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1. INTRODUCTION

The DEWALT DXAEJ14 Digital Portable Power Station Jump Starter is a versatile device designed to provide emergency jump-starting power for vehicles, inflate tires, and charge electronic devices. It features 1600 peak amps for jump-starting, a 120 PSI digital air compressor with AUTOSTOP, and USB-A and USB-C power ports.

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT DXAEJ14 unit. Please read it thoroughly before first use and retain it for future reference.

2. IMPORTANT SAFETY INFORMATION

WARNING: Read and understand all safety information before operating this unit. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Always wear eye protection when working with batteries.
- Ensure proper ventilation when charging or jump-starting.
- Do not expose the unit to rain or wet conditions.
- Keep children and unauthorized persons away from the work area.
- Do not use the unit if it is damaged or has been dropped.
- Connect the battery clamps in the correct polarity to avoid sparks and damage. The unit features a reverse polarity alarm.
- Do not attempt to jump-start frozen batteries.
- For optimal performance, charge the unit every 30 days when not in use. Charge immediately overnight after each use.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other

reproductive harm.

3. PRODUCT COMPONENTS

Familiarize yourself with the various parts of your DEWALT DXAEJ14 unit:



Figure 3.1: Front view of the DEWALT DXAEJ14 Digital Portable Power Station Jump Starter, showing the main display, control buttons, and integrated cables.



Figure 3.2: Diagram of the DEWALT DXAEJ14 highlighting key components such as LED lights, air compressor control buttons, alternator test button, heavy-duty clamps, 15W USB-A and 25W USB-C power ports, compressor hose with Sure Fit nozzle, and sports needle adapter.

**WHAT'S
IN THE
BOX**

DXAEJ14



**Clamps
& Cables**



**Sports
Needle
Adapter**

Figure 3.3: Contents of the DEWALT DXAEJ14 packaging, including the jump starter unit, powder-coated metal battery clamps, and a sports needle adapter.

Included Accessories:

- Powder Coated Metal Battery Clamps
- Sports Needle Adapter (for air compressor)

4. SETUP AND INITIAL CHARGING

Before first use, it is crucial to fully charge your DEWALT DXAEJ14 unit. This ensures optimal performance and extends battery life.

4.1 Initial Charging Procedure

1. Locate the AC charging cube and connect it to the unit's charging port.
2. Plug the AC charging cube into a standard 120V AC wall outlet.

3. Allow the unit to charge overnight (approximately 12-24 hours) for the first charge. The digital display will indicate charging progress.
4. Once fully charged, disconnect the unit from the AC outlet.

Note: For optimal battery health, recharge the unit every 30 days when not in use. After each use, recharge the unit immediately overnight.

5. OPERATING INSTRUCTIONS

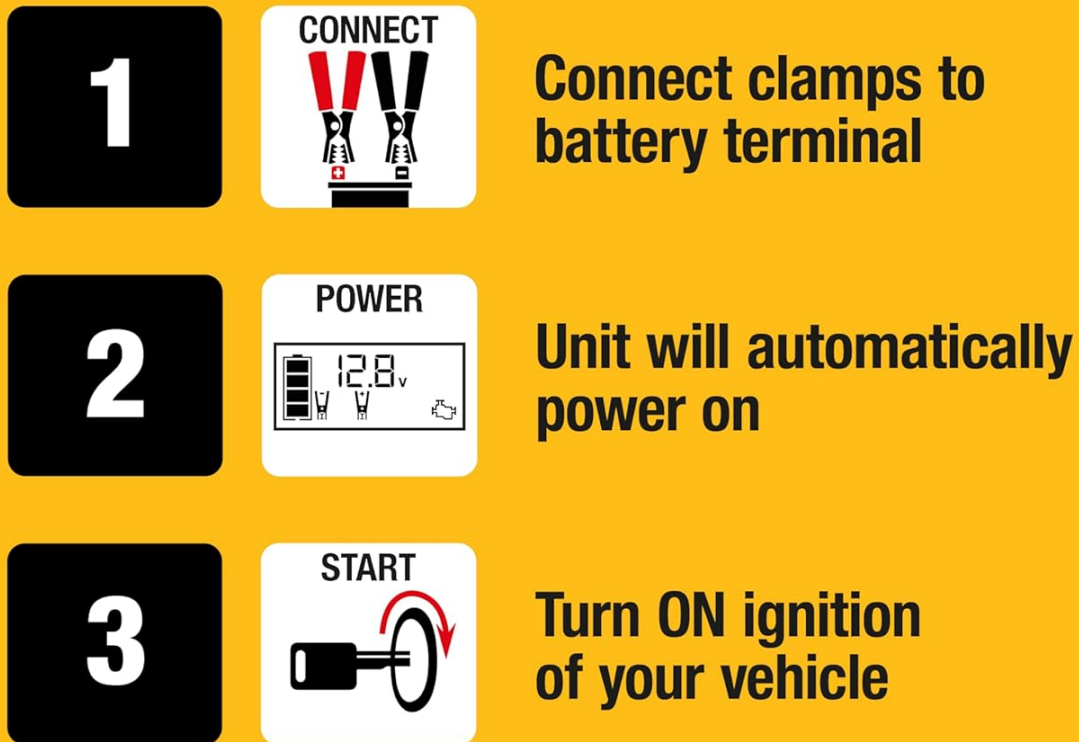
5.1 Jump Starting a Vehicle

The DEWALT DXAEJ14 can jump-start 12-Volt AGM, GEL, or WET batteries, including those in V8 engines, without the need for another vehicle.



Figure 5.1: Visual guide for jump-starting, showing steps: 1. Connect clamps to battery terminal, 2. Unit automatically powers on, 3. Turn ON ignition of your vehicle.

HOW TO USE A JUMP STARTER



Consult user's manual prior to using the unit.

Figure 5.2: A person using the DEWALT DXAEJ14 to jump-start a vehicle, demonstrating practical application in a cold environment.

1. Ensure the vehicle's ignition is OFF and all accessories are unplugged.
2. Connect the **RED** positive (+) clamp to the positive (+) terminal of the vehicle's battery.
3. Connect the **BLACK** negative (-) clamp to a non-moving metal part of the vehicle's engine block or chassis, away from the battery and fuel lines. Do not connect directly to the negative battery terminal.
4. The unit will automatically power on. If an improper connection is detected, the reverse polarity alarm will sound. Correct the connection immediately.
5. Turn on the vehicle's ignition. If the vehicle does not start, wait 3-5 minutes and try again.
6. Once the vehicle starts, disconnect the **BLACK** negative (-) clamp first, then the **RED** positive (+) clamp.

5.2 Using the Air Compressor

The integrated 120 PSI digital air compressor is suitable for inflating vehicle tires, sports equipment, and other inflatables.



VERSATILE 120PSI AIR COMPRESSOR



Figure 5.3: The DEWALT DXAEJ14's air compressor in use for various applications, including controlling vehicle tire inflation, maintaining sports gear like a basketball, and keeping bicycle tires ready.

1. Attach the Sure Fit nozzle of the compressor hose to the item you wish to inflate. For sports equipment, use the provided needle adapter.
2. Use the compressor control buttons on the unit to set the desired pressure.
3. Press the "AIR" button to start the compressor. The digital display will show the current pressure.
4. The compressor features an AUTOSTOP function, which will automatically shut off when the preset pressure is reached.
5. The compressor also has a 10-minute auto shut-off timer to prevent damage from overheating if left on unintentionally.
6. Once inflation is complete, disconnect the hose.

5.3 Charging Electronic Devices (USB Power Bank)

The unit is equipped with 15W USB-A and 25W USB-C ports for charging smartphones, tablets, and other electronic devices.

1. Connect your device's charging cable to the appropriate USB-A or USB-C port on the unit.
2. The unit will begin charging your device. Monitor your device's charging indicator.

5.4 Alternator Check

The DEWALT DXAEJ14 can perform a basic check of your vehicle's alternator to ensure it is functioning correctly.

1. Connect the jump starter clamps to the vehicle's battery terminals (positive to positive, negative to negative).
2. Start the vehicle's engine.
3. Press the "ALT TEST" button on the unit.
4. The LCD screen will display the alternator's voltage output, indicating its charging status. Refer to your vehicle's manual for acceptable voltage ranges.

6. MAINTENANCE AND STORAGE

6.1 General Care

- Keep the unit clean and dry. Wipe down with a damp cloth as needed.
- Inspect cables and clamps regularly for any signs of damage or corrosion.
- Ensure the powder-coated metal clamps are stored properly on the unit when not in use.

6.2 Battery Maintenance

- To maintain the internal battery's life, recharge the unit every 30 days when not in use.
- After each use, especially after jump-starting or extended compressor use, recharge the unit immediately overnight.
- Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your DEWALT DXAEJ14 unit.

Problem	Possible Cause	Solution
Unit does not turn on / No power.	Internal battery is discharged.	Recharge the unit fully (overnight).
Vehicle does not jump start.	Incorrect clamp connection. Vehicle battery severely discharged. Unit battery too low.	Check clamp polarity and connection points. Allow unit to charge vehicle battery for a few minutes before attempting to start again. Recharge the unit.
Reverse polarity alarm sounds.	Clamps connected incorrectly.	Immediately disconnect clamps and reconnect with correct polarity (Red to +, Black to chassis).

Problem	Possible Cause	Solution
Air compressor does not inflate / stops prematurely.	Hose not securely attached. Preset pressure reached (AUTOSTOP). 10-minute auto shut-off activated. Internal battery low.	Ensure Sure Fit nozzle is properly attached. Check digital display for current pressure. Allow compressor to cool down for a few minutes before restarting. Recharge the unit.
USB ports not charging devices.	Unit battery low. Device cable faulty.	Recharge the unit. Try a different USB cable.

8. TECHNICAL SPECIFICATIONS

- **Model:** DXAEJ14-Type3
- **Peak Amperage:** 1600 Amps
- **Compressor Pressure:** 120 PSI (Digital with AUTOSTOP)
- **USB-A Output:** 15W
- **USB-C Output:** 25W PD (Power Delivery)
- **Battery Type:** Sealed Lead Acid (Internal)
- **Product Dimensions:** 6"D x 11.75"W x 13"H
- **Item Weight:** 17.3 Pounds
- **Manufacturer:** Baccus Global LLC
- **UPC:** 814632015680, 814632015529

9. WARRANTY AND SUPPORT

The DEWALT DXAEJ14 Digital Portable Power Station Jump Starter includes a limited 1-year manufacturer warranty. For warranty claims, technical support, or replacement parts, please contact Baccus Global LLC, the manufacturer, or refer to the contact information provided with your product packaging.

For additional information and resources, you may visit the official DEWALT website or authorized service centers.



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For more information, visit www.dewalt.com