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› DIYtoolifz Cordless Tire Inflator Air Compressor (150 PSI) Compatible with Dewalt 20V Battery User Manual

DIYtoolifz 150 PSI

DIYtoolifz Cordless Tire Inflator Air Compressor (150 PSI) User Manual

Compatible with Dewalt 20V Battery

1. INTRODUCTION

This manual provides instructions for the DIYtoolifz 150 PSI Cordless Tire Inflator Air Compressor. Designed for portability and ease of use, this tool is compatible with Dewalt 20V lithium-ion batteries (battery not included). It features a digital pressure gauge, automatic shut-off, and a multi-mode LED light for various inflation needs and emergency situations.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this device. Failure to follow warnings and instructions may result in electric shock, fire, and/or serious injury.

- This product is a bare tool; battery and charger are sold separately.
- Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating the inflator.
- Always wear eye protection when operating the inflator.
- Do not over-inflate. Follow recommended pressure levels for items being inflated.
- Disconnect the battery pack from the inflator before making any adjustments, changing accessories, or storing the tool.

3. PACKAGE CONTENTS

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

- 1 x Cordless Tire Inflator (Tool Only)
- 1 x Air Hose
- 1 x Air Nozzle (Tapered)
- 1 x Ball Needle
- 1 x French Valve Adapter (Presta)
- 1 x User Manual



WHAT'S IN THE BOX?

- 1 1 × Cordless Tire Inflator
- 2 1 × Air Nozzle
- 3 1 × Air Nozzle
- 4 1 × Ball Needle
- 5 1 × French Valve Adapter
- 6 1 × User Manual

Image: The package contents laid out, showing the cordless tire inflator, air hose, tapered air nozzle, ball needle, French valve adapter, and user manual.

4. PRODUCT OVERVIEW

4.1. Key Features

- **Battery Compatibility:** Works with Dewalt 18V/20V lithium-ion batteries (DCB206, DCB205, DCB204, DCB203, DCB200, etc.).
- **Digital Pressure Gauge:** Large LCD display shows real-time and preset pressure.
- **Automatic Shut-Off:** Stops inflation once preset pressure is reached.
- **5 Inflation Modes:** Car, Motorcycle, Bicycle, Ball, and Custom (0-150 PSI adjustable).
- **3-in-1 LED Light:** Bright white LED, steady red warning light, and red SOS strobe.
- **All-Metal Cylinder:** Ensures durability and reliable performance.

BRIGHT LED DISPLAY

Big, Clear Numbers You Can Read at a Glance



Image: The inflator's digital display, highlighting the pressure setting, 5 preset modes, power level, and 4 unit selection options (PSI, BAR, KPA, Kg/cm²).

COMPATIBLE WITH DEWALT 20V BATTERY

Use Your Existing



Image: The inflator shown with different Dewalt 20V battery models (DCB201, DCB203, DCB204, DCB208, DCB200), emphasizing that the battery is not included.

5. SETUP

5.1. Attaching the Battery

Insert a charged Dewalt 18V/20V lithium-ion battery into the battery port at the base of the inflator until it clicks securely into place. Ensure the battery is fully seated.

5.2. Attaching the Air Hose and Nozzles

The main air hose is pre-attached. For specific inflation needs, select the appropriate nozzle from the included accessories:

- **Schrader Valve (Pre-attached):** For car, motorcycle, and most bicycle tires.
- **French Valve Adapter (Presta):** For bicycles with Presta valves. Screw onto the Schrader valve.
- **Ball Needle:** For sports balls. Screw onto the Schrader valve.
- **Tapered Air Nozzle:** For inflatable toys, air mattresses, etc. Push onto the Schrader valve.



Image: An illustration showing the different types of nozzles and adapters included, such as the car tire nozzle, French valve adapter, air nozzle, and ball needle, for various inflation applications.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

Press and hold the power button () for 3 seconds to turn the inflator ON. The LCD screen will illuminate. To turn OFF, press and hold the power button again.

6.2. Setting Desired Pressure and Units

Once powered on, the LCD will display the current pressure and the last set target pressure. Use the '+' and '-' buttons to adjust the target pressure. Press the unit button (UNIT) to cycle through pressure units: PSI, BAR, kPa, and Kg/cm².



Image: A clear view of the inflator's control panel with buttons for power, unit selection, and pressure adjustment, along with the digital display.

6.3. Selecting Inflation Modes

Press the mode button (MODE) to cycle through the 5 preset inflation modes:

- **Car Mode:** Typically 20-80 PSI.
- **Motorcycle Mode:** Typically 20-60 PSI.
- **Bicycle Mode:** Typically 20-145 PSI.
- **Ball Mode:** Typically 4-16 PSI.
- **Custom Mode:** Adjustable from 0-150 PSI.



Image: Visual representation of the five inflation modes (Car, Motorcycle, Bicycle, Ball, Custom) and their respective pressure ranges.

6.4. Inflation Process (Automatic Shut-Off)

Connect the air hose securely to the item you wish to inflate. Once the desired pressure is set, press the start button (**START**). The inflator will begin pumping and automatically stop when the target pressure is reached, preventing over-inflation.



Image: The inflator actively inflating a tire, with a graphic indicating the "Auto Stop" function when the preset pressure is achieved.

6.5. Using the 3-in-1 LED Light

Press the light button () to activate the LED light. Cycle through the modes with successive presses:

- **Bright White LED:** For illuminating the work area.
- **Steady Red Warning Light:** For roadside visibility.
- **Red SOS Strobe:** For emergency signaling.



Image: The inflator's LED light in action, showing its three modes: a bright white light for illumination, a steady red warning light, and a flashing red SOS light for emergencies.

7. MAINTENANCE

- Keep the inflator clean and free of dust and debris.
- Store the inflator and accessories in a dry place away from direct sunlight and extreme temperatures.
- Regularly check the air hose and nozzles for any signs of wear or damage. Replace if necessary.
- Ensure the battery contacts are clean.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Inflator does not turn on.	Battery not inserted correctly or discharged.	Ensure battery is fully seated. Charge or replace battery.
Inflator runs but no air comes out.	Air hose or nozzle not properly connected.	Check all connections for tightness.
Inaccurate pressure reading.	Loose connection or faulty sensor.	Ensure hose is tightly connected. Contact customer support if issue persists.

9. SPECIFICATIONS

Feature	Detail
Brand	DIYtoolifz
Model	150 PSI Cordless Tire Inflator
Maximum Operating Pressure	150 PSI
Voltage	20 Volts (Compatible with Dewalt 18V/20V batteries)
Power Source	Battery Powered (Battery not included)
Noise Level	58 Decibels
Product Dimensions	2.8"L x 5.6"W x 8.1"H
Item Weight	1.54 pounds
Special Features	Automatic Shut-Off, LED Light, Lightweight, Portable, Quick Inflation

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact DIYtoolifz customer service at support@diytoolifz.com. Please provide your product model number and purchase date when contacting support.