

# DURACELL®

## Portable Emergency Jump-starter+Compressor

### 1. Features



1: Pressure gauge

2: Air compressor on/off

4: LED fuel gauge/  
battery level indicator  
shows battery fuel level.

5: USB charge port  
Supplies up to 2.1 Amps of  
charging power for your USB  
devices.

7: Jump-starter ON/OFF  
switch

8: Negative jump starting  
clamp (see Section 6).

10: Positive jump  
starting clamp (see  
Section 6).

11: Storage compartment  
for compressor hose,  
accessories and charger  
cord.

13: AC power cord

14: Compressor  
accessories

3: Fuel gauge button and  
USB on/off switch turns  
on the fuel gauge indicator.  
Turns on power to the USB  
charge port.

6: 12V DC power socket  
powers 12V DC devices and  
appliances.

9: Emergency light  
provides bright LED  
illumination in dark locations.

12: AC battery charger  
recharges the jump-starter's  
internal battery from a  
standard AC wall outlet.

### 2. Important Safety Information

Misusing or incorrectly connecting the Duracell® Jump-starter may damage the equipment or create hazardous conditions for users.

#### WARNING: ELECTRICAL SHOCK HAZARD

The jump-starting clamps may spark if touched together. Always keep the clamps in their storage holsters when they are not being used.

### 3. Charging/Recharging the Jump-starter

#### ► Charging before first use

#### IMPORTANT

Prior to using the jump-starter for the first time, ensure that the battery of the jump-starter is fully charged. If the battery has been fully discharged, charging/recharging with the AC battery charger may take up to 12 hours.

#### ► Charging / recharging with the internal charger

Recharging with the internal charger is a true "plug-in-and-forget" charging method. We recommend leaving the AC battery charger connected when the jump-starter is not in use.

1. Disconnect any USB and 12V DC appliances from the DC power outlets.
2. Remove the AC cord from the storage compartment under the unit.
3. Insert the AC cord end into the AC cord input port, then plug AC cord into a standard AC wall outlet.
4. The fuel gauge LEDs sequence during charging and remain solid on when fully charged.
5. Recharging time should be approximately 12 hours if the jump-starter battery is fully discharged.

#### IMPORTANT

If you keep the jump-starter in storage, the battery will discharge over time. Remember to recharge the battery every three months to keep the jump-starter operational.

### 4. Checking the Jump-starter's Battery Level

To check the battery's charge level, press the Fuel Gauge button. The LED lights will illuminate and display the current level of available battery power. Press again to turn off (or will turn off automatically after one minute).

When all four lights are lit, this indicates that your Jump-starter is fully charged. It is recommended to maintain a full charge on the Jump-starter at all times for optimal jump starting and device charging.

**Note:** Battery Fuel Gauge status is only accurate when the jump-starter has been disconnected from all appliances and all charging sources for 15 minutes.

### 5. Using The Jump-starter's Light / Power Ports

#### ► Using the built-in light

The Duracell® Jump-starter has a built-in emergency light to provide a safe, bright work light on the roadside and in other outdoor environments.

1. Push the "HOLD FOR LIGHT" button for 2 seconds to turn on the LED light.
2. Position the jump-starter so that the light illuminates your work area.
3. When done, push the "HOLD FOR LIGHT" button for 2 seconds to turn the LED light off.

#### ► Using the USB port

The USB port provides up to 2.1 Amps of power to charge cell phones, smartphones, tablets and other devices.

#### To charge USB devices:

1. Connect your USB device (smartphone, tablet etc.) to the USB port using the USB cable supplied with your device.
2. Push the "USB ON/OFF" button.
3. Charging will start and up to 2.1 Amps of current can be supplied by the port. The USB device controls the amount of current supplied.
4. The USB port never "pushes" more than required by the devices.
5. Push the "USB ON/OFF" button again when done to turn the USB port off.

Note: USB output will turn off after one minute if not plugged into a USB device.

#### ► Using the 12V DC power socket

The jump-starter can operate 12V DC appliances that draw 11A or less.

#### CAUTION: EQUIPMENT DAMAGE

The DC power outlet does not automatically switch off when the internal battery is discharged. Check the battery status periodically to prevent total battery discharge.

#### To operate a 12V DC appliance:

1. Open the protective cover on the jump-starter's DC power socket.
2. Plug the 12V DC appliance into the DC power outlet on the side of the unit, and turn the 12V DC appliance on (if required).
3. Fully recharge the jump-starter as soon as possible after each use.
4. As the DC power socket is internally wired directly to the jump-starter's battery, extended operation of a 12V DC appliance may result in excessive battery discharge. See "Caution: Equipment Damage" above.

### 6. Jump-Starting A Vehicle's Engine

You can use the Duracell® jump-starter with the supplied jump-start cables to jump-start a vehicle or boat engine that has a 12V starting battery.

#### WARNING: FIRE HAZARD

Never allow jump-start cables' red and black clamps to touch each other or another common metal conductor. This could cause damage to the unit and/or create a sparking/explosion hazard.

#### WARNING: FIRE HAZARD

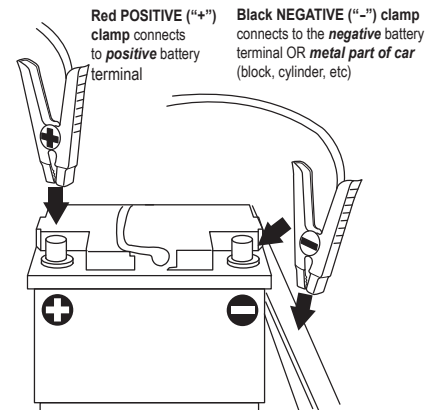
Jump-start cable clamps' connection to the vehicle's battery terminals must be positive to positive (red clamp to battery "+") and negative to engine block. A reverse polarity connection (positive to negative) may cause damage to the unit and/or create a sparking/explosion hazard.

#### WARNING: FIRE HAZARD

Do not crank the engine for more than 4 seconds. The jump-start feature is designed for short term operation only. Operating the jump-start feature for more than 4 seconds may cause damage to the unit. Allow the jump-starter to cool down for at least 30 seconds after each jump-start.

#### ► To jump-start a vehicle engine:

1. Turn OFF the vehicle or boat ignition and all accessories.
2. Engage the park or emergency brake and place the transmission in park for an automatic or neutral for a manual.
3. If jump-starting a boat engine, purge the engine compartment and bilge of all fumes.
4. Position the jump-starter on a flat, stable surface near the battery and away from all moving parts of the engine.
5. Make sure the red the Jump-starter switch is in the OFF position then connect the red



6. Connect the black negative (-) clamp of the cables to the negative battery terminal, engine block, cylinder head, or other stationary heavy metal part of the motor.
7. Correct polarity must be established before proceeding. Re-check your connections before starting your engine. If the clamps are reversed, an alarm will sound and "CLAMPS REVERSED" LED illuminate. Disconnect the jump-start clamps from the vehicle's battery and redo steps 5 and 6 in this procedure.
8. Before starting the engine, make sure the jump-starter and the cables are clear of belts and fans.
9. Turn the jump-starter switch to the ON position and turn over the engine for 4 seconds or until it starts, whichever is first.
10. Turn the jump-starter switch to the OFF position and remove the red positive (+) clamp and then the black negative (-) clamp from the vehicle.
11. Store the jump-start clamps in the appropriate holder on each side of the jump-starter.

#### IMPORTANT

If you keep the jump-starter in storage, the battery will discharge over time. Remember to recharge the battery every three months to keep the jump-starter operational.

### 7. Maintenance

Routine maintenance is required to keep your Duracell® jump-starter operating properly. Occasionally clean the exterior of the unit with a damp cloth to remove the accumulated dust and dirt.

#### WARNING: SHOCK HAZARD

Disconnect all sources of AC power and DC power before performing any type of maintenance.

#### ► Battery maintenance

All rechargeable batteries gradually discharge when left standing, and you need to recharge them periodically to maintain maximum battery capacity. The internal AC battery charger supplied with the jump-starter is designed to regulate the charging process, ensuring that the battery is always fully charged but never overcharged. To ensure safe recharging and maximum battery life, recharge the jump-starter only with the supplied charger.

#### CAUTION

Due to inherent self-discharge, lead acid batteries must be charged at least every 3 months, especially in a warm environment. Leaving a battery in a discharged state, or not recharging every 3 months, may result in permanent battery damage and poor jump-starting performance.

#### CAUTION

Do not attempt to recharge the jump-starter battery if it is frozen. Gradually warm the frozen battery to 32 °F (0 °C) before recharging.

### 8. Using the air compressor

**IMPORTANT:** Please read these general usage-related warnings and cautions thoroughly before using the Jump-starter's air compressor.

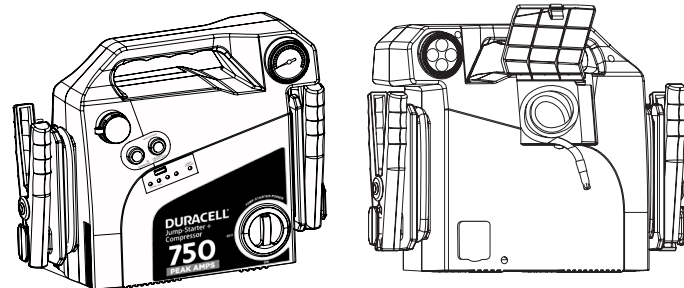
#### Fire Safety

The compressor is designed for short term operation only. Operating the compressor over an extended period of time will cause the compressor unit to overheat which could lead to fire. The powerpack cannot be used to inflate large capacity inflatables such as float tubes, large air mattresses, and inflatable boats. These types of products require extended inflating times that may damage the compressor. Always allow the compressor to cool down for 10 minutes after each 10 minutes of continuous operation.

#### Personal Safety

Never leave the compressor unattended while in operation. Keep out of reach of children. The compressor is capable of inflating to 160 PSI. Do not exceed the recommended pressure of either the compressor or the object being inflated. If either recommended pressure is exceeded, an explosion may result. If the pressure gauge on the compressor indicates more than twice the recommended pressure for the object you are inflating, and you have only started to inflate the object, the valve connector is incorrectly connected to the valve stem. This may damage the Jump-starter. Remove and reattach the valve connector to the valve stem.

## Inflating tires (car, motorcycle, bicycle)



1. Unwind the air compressor hose from the side compartment of the unit.
2. Place the valve connector securely on the tire valve stem, turn the valve connector on the hose to securely attach it to the tire valve. If necessary, use a supplied nozzle adapter.
3. Press the AIR COMPRESSOR switch to turn the compressor on, and inflate your tire to its recommended pressure.
4. Switch the compressor off after appropriate pressure is reached.
5. Unscrew the valve connector and remove the valve connector from the valve stem.

## Inflating tires using the nozzle adapters

6. Locate proper nozzle adapter stored with the compressor hose.
7. Insert nozzle adapter into the valve receptacle of the item.
8. Follow item 1-3 above
9. Turn the compressor off before removing nozzle adapter from valve stem.
10. Remove nozzle adapter from valve connector and return it to the storage compartment.

## 9. Troubleshooting

Below are some common problems that can occur with the Jump-starter's compressor. If you cannot solve your problem, contact your dealer or Duracell Customer Service.

### Problem: The compressor runs, but won't inflate.

Possible Cause	Solution
The valve connector may not be securely placed on the valve stem.	Make sure the valve connector is securely placed and screwed onto the valve stem.
The item being inflated may have a leak.	Make sure the item being inflated doesn't have a leak. Check the compressor hose for any breaks or leaks.

### Problem: The compressor runs slowly.

Possible Cause	Solution
The compressor may have overheated from excessive use.	Turn off the compressor and let it cool down.
Battery voltage is too low.	Check the condition of the internal battery. The battery may need to be recharged or replaced.

## 10. User reference: Tire inflation

The information in the table below is for reference only. For precise pressure specifications, refer to the information supplied with the item to be inflated.

Type of tire	Typical pressure specifications (PSI)
<b>Automotive tires</b>	
520-13	26
A-78-14	26
E78-14	30
H-78-14	24

HR-78-15	28
<b>Bicycle tires</b>	
27 x 1 ¼	85
20 x 1 ½	40
<b>Other Inflatables</b>	
Football	13
Basketball	9
Volleyball	5
Lawn tractor tire	22

## 11. Specifications

### Electrical specifications

12V DC section	750 Jump-starter + Compressor	900 Jump-starter + Compressor
Internal battery type	Sealed/non-spillable, AGM (Absorbed Glass Mat) lead-acid	
Internal battery voltage (nominal)	12V DC	
Internal battery capacity (minimum)	9Ah	12Ah
DC power socket (maximum continuous load)	11A with automatic reset	

Battery charging controller system	750 Jump-starter + Compressor	900 Jump-starter + Compressor
AC input voltage	100 - 240V AC BC	
Nominal output voltage	12V DC	
Empty load power	< 0.35W	
Safety certifications / efficiency certifications	ETL	

### Physical specifications

	750 Jump-starter + Compressor	900 Jump-starter + Compressor
Length	13.1" (33.5 cm)	
Width	5.0" (12.9 cm)	
Height	9.8" (25.0cm)	
Weight	10.1 lbs. (4.58 kg)	13.5 lbs. (6.1 kg)

## 12. General Warnings and Cautions

**IMPORTANT:** Please read these general usage-related warnings and cautions thoroughly before using this jump-starter.

### **WARNING: Shock hazard. Keep away from children.**

Do not insert foreign objects into the DC power socket, the USB port, or the ventilation holes. Do not expose this product to water, rain, snow, or spray. Do not open the unit. There are no user serviceable parts inside the unit.

### **CAUTION**

Do not operate the jump-starter or compressor in temperatures under 0°C (32°F) or over 40°C (104°F).

### **WARNING: Explosion hazard**

Do not use this product where there are flammable fumes or gases, such as in the bilge of a gasoline-powered boat, or near propane tanks. Use caution when using this product in an enclosure containing automotive-type lead-acid batteries. These batteries, unlike the sealed AGM battery in the Jump-starter, vent explosive hydrogen gas which can be ignited by sparks from electrical connections. When working on electrical equipment, always ensure someone is nearby to help you in an emergency.

### **WARNING: Proper application**

Do not use the appliance for any application except that for which it is intended.

### **WARNING: Medical equipment**

This product is NOT tested, designed nor intended to be used with life support systems or any other medical devices.

### **WARNING: Proper application**

Do not use the appliance for any application except that for which it is intended.

### **WARNING**

This product contains chemical(s) known to the State of California to cause cancer, birth defects, or other reproductive harm.

## 13. Recycling

Battery-Biz is committed to environmental responsibility and recommends that electronic devices be disposed of properly. Please contact your local city offices for information on recycling and disposal programs for e-waste.