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Model: PRO Start 2824

1. INTRODUCTION AND PRODUCT OVERVIEW

The Telwin PRO Start 2824 is a professional-grade portable jump starter designed for starting vehicles with 12V or 24V batteries. This device is equipped with a high-efficiency LED lamp for illumination and an LED indicator to monitor the internal battery charge status. It also features an acoustic and visual alarm system to protect against reverse polarity connections, ensuring safe operation.

This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your Telwin PRO Start 2824 jump starter.



Figure 1: The Telwin PRO Start 2824 12-24 V Jump Starter. This image shows the compact design of the unit, highlighting its portability and robust construction suitable for automotive use.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before using the Telwin PRO Start 2824. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Eye Protection:** Always wear appropriate eye protection when working with batteries.
- **Ventilation:** Ensure adequate ventilation when charging or jump-starting, as batteries can emit explosive gases.
- **Sparks and Flames:** Keep sparks, flames, and smoking materials away from batteries.
- **Polarity:** Always connect the cables with correct polarity. The device includes an acoustic/visual alarm for reverse polarity protection.
- **Children:** Keep the device out of reach of children.
- **Damage:** Do not use the device if it is damaged. Contact qualified service personnel for repairs.
- **Charging:** Recharge the internal battery after each use to maintain its lifespan and readiness.



Figure 2: Safety and Compliance Label. This label indicates that the product is EMF (Electromagnetic Fields) safe and complies with CE (Conformité Européenne) standards, signifying adherence to European health, safety, and environmental protection directives.

3. SETUP

Before first use, and after each use, ensure the internal battery of the PRO Start 2824 is fully charged.

1. **Initial Charging:** Connect the jump starter to a standard electrical outlet using the provided charging cable. The LED indicator will show the charging status. Charge until the LED indicates a full charge.
2. **Cable Inspection:** Before each use, inspect the jump starter cables and clamps for any damage, fraying, or corrosion. Do not use if damaged.
3. **Vehicle Preparation:** Ensure the vehicle's ignition is off and all accessories (lights, radio, etc.) are turned off.

4. OPERATING INSTRUCTIONS

4.1. Jump Starting a Vehicle (12V or 24V)

1. **Identify Battery Voltage:** Confirm the vehicle's battery voltage (12V or 24V). The PRO Start 2824 is capable of both.

2. **Connect Positive Clamp:** Connect the red (positive, +) clamp of the jump starter to the positive (+) terminal of the vehicle's battery.
3. **Connect Negative Clamp:** Connect the black (negative, -) clamp of the jump starter to a solid, unpainted 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 unless specified by the vehicle manufacturer.**
4. **Check Polarity Alarm:** If the acoustic/visual alarm activates, it indicates a reverse polarity connection. Immediately disconnect the clamps and re-connect them correctly.
5. **Start Vehicle:** Once connected correctly, attempt to start the vehicle. Do not crank for more than 5 seconds. If the vehicle does not start, wait at least 30 seconds before trying again.
6. **Disconnect Clamps:** Once the vehicle starts, disconnect the black (negative) clamp first, then the red (positive) clamp.
7. **Recharge Jump Starter:** Recharge the PRO Start 2824 immediately after use.

4.2. Using the LED Lamp

The PRO Start 2824 features an efficient LED lamp for illumination in low-light conditions. Locate the lamp switch on the unit and toggle it to turn the lamp on or off as needed.

4.3. Monitoring Battery Charge

The integrated LED indicator allows you to monitor the charge level of the internal battery. Refer to the markings near the LED for specific charge status indications (e.g., low, medium, full).

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Telwin PRO Start 2824.

- **Recharging:** Always recharge the internal battery immediately after each use, even if only for a short period. This prevents deep discharge and extends battery life. For long-term storage, recharge the unit every 3 months.
- **Cleaning:** Clean the exterior of the unit with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners. Keep the clamps clean and free of corrosion.
- **Storage:** Store the jump starter in a cool, dry place, away from direct sunlight, moisture, and extreme temperatures. Ensure the cables are neatly wrapped and secured to prevent damage.
- **Cable Inspection:** Regularly inspect the cables and clamps for any signs of wear, cuts, or damage. Replace damaged components immediately.

6. TROUBLESHOOTING

If you encounter issues with your PRO Start 2824, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Vehicle does not start	Low charge in jump starter; incorrect connection; severely discharged vehicle battery.	Recharge jump starter; check cable connections and polarity; allow more time for the jump starter to provide power before cranking.
Polarity alarm sounds	Reverse polarity connection.	Immediately disconnect clamps and reconnect them correctly (red to positive, black to chassis/engine block).
LED lamp not working	Lamp switch off; internal battery low.	Ensure lamp switch is on; recharge jump starter.
Jump starter not charging	Charging cable not properly connected; faulty outlet; internal battery issue.	Check charging cable connections; try a different outlet; if problem persists, contact support.

If the problem persists after attempting these solutions, please contact Telwin customer support or your retailer.

7. SPECIFICATIONS

Key technical specifications for the Telwin PRO Start 2824:

- **Model Number:** 829517
- **Brand:** Telwin
- **Voltage:** 12 Volts / 24 Volts
- **Amperage:** 2824 A
- **Internal Battery Composition:** Lead Acid
- **Weight:** 10 Kilograms
- **Compatible Vehicle Type:** Car (and other vehicles requiring 12V/24V jump start)

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or contact your point of purchase. Telwin provides customer support for product inquiries, technical assistance, and service requests. Please retain your proof of purchase for any warranty claims.