



# PREMIER 12V/24V 2200A/4400A ROADSTART® JUMP STARTERS

MODELS: **PRS2200, PRS4400**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to  
instructions



Wear eye  
protection



Wear protective  
gloves



Electrical shock  
hazard



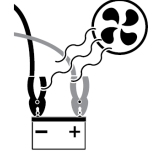
Warning  
corrosive  
substance



Warning:  
explosive  
material



Keep away  
from sources of  
ignition



Use in well  
ventilated areas



Keep in dry area  
protect from rain

## 1. SAFETY

- ✓ Trained users only.

### 1.1. ELECTRICAL SAFETY FOR USE OF CHARGER

- ☐ **WARNING!** It is the user's responsibility to check the following:
  - ✓ Check all electrical equipment and appliances to ensure that they are safe before using.
  - ✓ Inspect power supply leads, plugs and all electrical connections for wear and damage.
  - ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
  - ✗ **DO NOT** use worn or damaged cables, plugs or connectors.
  - ✓ Ensure that any faulty item is repaired or replaced immediately by a Sealey qualified technician.
  - ✓ If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
  - ✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.
- Important:** Ensure that the voltage rating on the appliance suits the mains power supply.
- ✗ **DO NOT** pull or carry the appliance by the power cable.
- ✗ **DO NOT** pull the plug from the socket by the cable.
- ☐ **WARNING!** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.
  - DO NOT** try to take the charger plug apart.
  - ✗ **DO NOT** use the charger plug to charge or power any other electrical item.
  - ✗ **DO NOT** get the charger wet, or use in wet, damp conditions (for indoor use only).
  - ✓ The removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed.

### 1.2. BATTERY SAFETY

- ☐ **WARNING!** To reduce the risk of burns or fire:
  - ✗ **DO NOT** attempt to open, disassemble, modify or service the battery pack.
  - ✗ **DO NOT** crush, puncture, short external contacts or dispose of in fire or water.
  - ✗ **DO NOT** expose to temperatures above 60°C (140°).
  - ✓ Replace only with the battery pack designated for this product.
  - ✓ Recycle or dispose of used battery as stipulated by local regulation.
  - ✓ If the electrolyte in the cells gets on your skin, thoroughly wash with soap and water. If it gets in your eyes, rinse thoroughly with cool water and seek immediate medical attention.
  - ✓ Ensure the internal battery is fully charged before initial use.
  - ✗ **DO NOT** move/handle/use the Road Start® when it is being charged.
  - ✗ **DO NOT** leave battery in a discharged state, recharge battery immediately. Only use charger supplied. Before storage, fully recharge the battery, subsequently recharge the battery at least once every six months of non-use.

### 1.3. GENERAL SAFETY

- ▲ **DANGER! RISK OF EXPLOSIVE GASES. PREVENT FLAMES AND SPARKS. PROVIDE ADEQUATE VENTILATION DURING CHARGING. WORKING IN THE VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION. FOR THIS REASON, IT IS IMPORTANT THAT YOU FOLLOW THESE INSTRUCTIONS EACH TIME YOU USE THE ROADSTART®.**
  - It is very important to read and follow these instructions carefully, each time you use the Roadstart.
  - ✓ Follow these instructions and those published by the battery and vehicle manufacturer, and the maker of any equipment you intend to use in the vicinity of the battery. Remember to review warning marks on all products and on engines.
- ☐ **WARNING!** Modern vehicles contain extensive electronic systems.
- ✓ You are required to check with the vehicle Manufacturer, for any specific instructions regarding the use of this type of equipment on each vehicle. No liability will be accepted for damage / injury, where this product is not used in accordance with all instructions.

### 1.3.1. PERSONAL PRECAUTIONS

- ✓ Ensure there is another person within hearing range of your voice and close enough to come to your aid, should a problem arise when working near a lead-acid battery.
- ✓ Wear safety eye protection and protective clothing. Avoid touching eyes while working near battery.
- ✓ Have fresh water and soap nearby in case battery acid contacts skin, clothing or eyes.
- ✓ Wash immediately with soap and water if battery acid contacts skin or clothing. If acid enters eye, flush eye immediately with cool, clean running water for at least 15 minutes and seek immediate medical attention.
- ✓ Remove personal metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short-circuit current which is high enough to weld a ring or the like to metal, which would cause severe burns.
- ✓ Ensure hands, clothing (especially belts) are clear of fan blades and other moving or hot parts of engine, remove ties and contain long hair.
- ✗ **DO NOT** smoke or allow a spark or flame in the vicinity of battery or engine.

### 1.3.2. SAVE THESE INSTRUCTIONS – Charge the Roadstart®'s internal battery. Only use supplied charger immediately after purchase, after each use and as often as possible. It is highly recommended to leave the Roadstart® permanently connected to the automatic charger. This manual will show you how to use your Roadstart® safely and effectively. Please read, understand and follow these instructions and precautions carefully, as this manual contains important safety and operating instructions.







- ✓ Use the Road Start® in the upright position only and ensure it is placed on a stable surface which will adequately support its weight.
- ✓ Keep tools and other items away from the engine and ensure you can see the battery and working parts of engine clearly.
- ✓ Keep children and unauthorised persons away from the working area.
- ✗ **DO NOT** allow power clamps to touch each other or to make contact with any metallic part of the vehicle.
- ✗ **DO NOT** cross connect power leads from Road Start® to battery. Ensure positive (+/RED) is to positive and negative (-/BLACK) is to negative.
- ✗ **DO NOT** pull the cables or clamps from the battery terminals.
- ✗ **DO NOT** charge outdoors, or in damp, or wet locations and **DO NOT** operate within the vicinity of flammable liquids or gases.
- ✗ **DO NOT** use for a task for which it is not designed.
- ✓ When not in use, store carefully in a safe, dry, childproof location.
- ✓ Only use for starting vehicles with 12/24V systems. **DO NOT** use for other vehicles such as aircraft, ships etc.
- ✗ **DO NOT** use in place of a vehicle battery or as a battery charger.
- ✗ **DO NOT** jump start more than 3 times in a row. It could damage the unit by overheating. Give two minutes between attempts.
- ✓ **Remove the product from the vehicle battery within 30 seconds of jump starting. If not, it could lead to damage.**
- ✗ **DO NOT** modify or disassemble Road Start®. Only a repair technician may repair this unit.
- ✗ **DO NOT** drop unit. If unit receives a sharp blow or is otherwise damaged in any way have it checked by a qualified technician.
- ✗ **DO NOT** use the unit to jump start a vehicle while charging the internal battery.
- ✓ The appliance contains batteries that are only replaceable by skilled persons.
- ✓ This appliance contains batteries that are non-replaceable.
- ☐ **WARNING!** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.
- ✓ Children from age 8 years and above, persons with reduced physical, sensory, or mental capabilities those with lack of experience and knowledge can use the appliance, if they have been given supervision or instruction concerning use of the appliance in a safe way to understand the hazards involved.
- ✓ Children shall NOT play with the appliance.
- ✓ Cleaning and user maintenance on the appliance shall not be made by children without supervision.
- ✓ The appliance shall be disconnected from its power source during service and when replacing parts.

## 2. INTRODUCTION

**PRS2200:** High performance 22Ah AGM batteries housed in robust casing, specially formulated to jump start up to 8L petrol and 5L diesel engines. Peak Amps 12V 2200A, Cold Cranking Amps 12V 800A. LCD screen shows both the voltage and percentage of the internal batteries. 0/12V Rotary switch for spark-free connection. Supplied with 1.7m heavy duty cable and copper clamps. Built in safety features include reverse charging both visual and audible, short circuit and reverse polarity protections. 3W 350 Lumen worklight with five different settings, ideal for use in dark environments. SOS mode included for use in emergency situations. Outputs include 5V 2.4A USB charging port for charging mobile phones/tablets as well 12V 15A output socket that will accept any 12V device with a vehicle accessory socket plug. Supplied with charger with automatic power cut-off, which prevents damage to battery whilst charging from the mains. **PRS4400:**

High performance two 22Ah AGM batteries housed in robust casing, specially formulated to jump start up to 13L petrol and diesel engines. Peak amps 12V 4400A, 24V 1600A, Cold Cranking Amps 12V 2200A, 24V 800A. LCD screen shows both the voltage and percentage of the internal batteries. 0/12/24V Rotary switch for spark-free connection. Supplied with 1.7m heavy-duty cable and copper clamps. Built in safety features include reverse charging both visual and audible, short circuit and reverse polarity protections. 3W 350 Lumen worklight with five different settings ideal for use in dark environments. SOS mode included for use in emergency situations. Outputs include 5V 2.4A USB charging port for charging mobile phones/tablets as well 12V 15A output socket that will accept any 12V device with a vehicle accessory socket plug. Supplied with charger with automatic power cut-off prevents damage to battery whilst charging from the mains.

## 3. SPECIFICATION

Model	PRS2200	PRS4400
Rated Voltage	12V	12/24V
Peak Amps	2200A	4400A 12V 1600A 24V
CCA	800A	2200A 12V, 800A 24V
Cable Length	1.7m	1.7m
Auxiliary Output	12V  15A	12V  15A
USB Output	5V  2.4A	5V  2.4A
Plug Type	3-Pin BS	3-Pin BS
Weight	12kg	19kg
<b>Charger Specification</b>		
Supply	230V-50Hz 1.5A	230V-50Hz 1.5A
Output	15.4V  4A	15.4V  4A

## 4. FEATURES



- 1: Display
- 2: Voltage indicator
- 3: Charge indicator
- 4: 12V DC port
- 5: USB port
- 6: Light/USB button
- 7: Test button
- 8: Main switch: PRS4400 12/24V shown
- 9: + clamp
- 10: - clamp
- 11: Worklight
- 12: Charge port on rear

## 5. OPERATION

- 5.1. Read the ENTIRE IMPORTANT SAFETY INSTRUCTIONS section at the beginning of this manual including all text under subheadings therein before setup or use of this product.
- 5.2. **CHARGING THE JUMP STARTER**  
IMPORTANT: YOU MUST CHARGE COMPLETELY BEFORE FIRST USE, AFTER EVERY JUMP START, AND EVERY 30 DAYS OR WARRANTY IS VOID. Only use the detachable charger unit provided with the appliance.
  - ❑ **WARNING! TO PREVENT SERIOUS INJURY:**  
Charge on a non-flammable surface.  
Press TEST Button to check battery level: display alternates between battery % and volts.  
When the Battery is above 75% this means the battery is in a good state, no need for charging.  
When the Battery is between 50-75% it needs recharging.  
When the Battery is between 50% or less, it need recharging immediately.  
**NOTE:** Refer to Troubleshooting Section for any protection alert.  
Turn main switch to off position.  
Turn Work Light and USB off. Disconnect any device connected to the USB Port.  
Plug the Charger into 230V-50Hz supply  
Plug Charging Cable into Charging Port on rear.  
While charging, CHG will appear on the Display alternating with the battery level percentage.  
When charging is complete FULL will appear on the Display.  
When the Jump Starter is fully charged, unplug Charging Cable from the power supply and the Jump Starter.
- 5.3. **USING THE WORK LIGHT**  
Press and hold the LIGHT/USS Button approximately 3 seconds to turn the Work Light on in bright mode.  
Press the Button repeatedly to cycle through low, flashing, rapid flashing, and SOS modes.  
To turn the Work Light off, press the LIGHT/USS Button.  
**NOTE:** Work Light stops working when battery voltage level drops below 11V.
- 5.4. **JUMP STARTING A VEHICLE**  
**NOTE:** Read the vehicle owner's manual pertaining to jump-starting prior to using the Roadstart®.  
Press TEST Button to check battery level. The Roadstart® must be fully charged. Recharge as needed, refer to section above.  
Turn off the vehicle ignition switch and all accessories (lights, radio, climate control, etc.).  
Turn main Switch off. You may leave the Work Light on if needed.
  - ❑ **WARNING! TO PREVENT SERIOUS INJURY: DO NOT TOUCH POSITIVE AND NEGATIVE BATTERY CLAMPS TOGETHER.**  
Connect the red Positive Battery Cable to vehicle's positive battery terminal. Connect the black Negative Battery Cable to a non-moving metal part of the vehicle.
  - ❑ **WARNING! TO PREVENT SERIOUS INJURY: DO NOT CONNECT TO THE NEGATIVE TERMINAL OF THE BATTERY.**  
**NOTE:** If the Battery Clamps are connected incorrectly, an alarm will sound and Error Code Er1 will appear on the Display. Review and change the connections. If the battery's voltage is too high, an alarm will sound and Error Code Er2 will appear on the Display.  
Disconnect the Battery Clamps, it will not be possible to jump start with this unit.  
When the correct connection has been made, the "external battery voltage value" will appear on the Display.
    - 12V Battery - Turn the Main Switch to the 12V position.
    - 24V Battery - Turn the Main Switch to the 24V position. (PRS4400)  
Attempt to start the vehicle. If the vehicle does not start within 5 seconds, turn Main Switch off and wait at least 3 minutes before trying again.  
After the vehicle is started, turn the Main Switch off. Remove the black Negative Battery Clamp first, and then the red Positive Battery Clamp.  
Recharge the Jump Starter.
- 5.5. **POWERING DC APPLIANCES**  
Press TEST Button to check battery level. Recharge as needed.

Turn Main Switch off. Turn appliance off.

Plug appliance into the 12V DC Outlet, then turn on. When finished, turn off then unplug appliance.

#### 5.6. CHARGING/POWERING USB DEVICES

Press TEST Button to check battery level. Recharge as needed, according to Charging section.

Plug the device into the USB Port.

Press the LIGHT/USB Button. The USB Indicator will illuminate.

When finished, press LIGHT/USB Button again. Remove the device from the USB Port. **NOTE:** USB Port stops working when battery voltage level drops below 11V.

#### 5.7. IN EVENT OF BREAKDOWN: Remove from use. Professional repair only.

## 6. MAINTENANCE

6.1. Procedures not specifically explained in this manual must be performed only by a qualified technician.

- ☐ **WARNING!** TO PREVENT SERIOUS INJURY: Unplug Roadstart®, turn the Main Switch off and allow to cool completely before performing any inspection, maintenance, or cleaning procedures.

6.2. **BEFORE EACH USE**, inspect the general condition of the Jump Starter. Check for:

- loose hardware
- cracked or broken parts
- damaged electrical wiring or cable insulation
- any other condition that may affect its safe operation.

6.3. Keep unit clean and clamps free of dirt, debris, or grease.

6.4. For longer working life, protect unit from sunlight and moisture.

6.5. **AFTER USE**, wipe external surfaces with a clean cloth.

6.6. **RECOMMENDED MAINTENANCE:**

Recharge jump-start after every usage.

Recharge every 3 months as regular maintenance.

## 7. END OF LIFE

- ☐ **WARNING!** TO PREVENT SERIOUS INJURY: CONTAINS NON-SPILLABLE, SEALED LEAD- ACID BATTERY. BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

7.1. **BATTERY DISPOSAL:** Contains batteries that are only replaceable by skilled persons.

7.1.1. Disposal must comply with standards for hazardous waste disposal in your area.

## 8. TROUBLESHOOTING

Display	Alarm	Issue	Issue Information	Correction
Er1	Yes	Protection	Reversed Polarity Protection	Disconnect the clamps from the battery posts. Then properly reconnect the clamps to the battery Posts(+) to(+) and(-) to (-)/Grounded terminal.
Er2	Yes	Protection	External Battery Voltage is Higher than 30V DC	Disconnect the clamps from the external Battery. Correct the external high voltage issue of the external battery.
Hi	Yes	Protection	Internal Battery Voltage is higher than 15V DC	Unplug the charger, if battery is being recharged. Have the product evaluated and repaired by a qualified technician.
LO	Yes	Protection	External battery voltage is lower than 6V DC	Disconnect the clamps from the external battery. Roadstart® only works with 12V battery system.
%, Voltage, Lo, CHG	Yes	Alert	Reminder that internal battery Level is lower than 11.5V DC and needs to be recharged	Press test button to reset the alarm. Recharge the Roadstart®. All functions are working.
Voltage Lo, CHG	Yes	Alert	Reminder that the internal battery level is lower than 11.5V DC and needs to be recharged.	Press test button to reset the alarm. Recharge. Only light and USB are working.
Voltage, Lo, CHG	Yes	Urgent	Reminder that internal battery is lower than 11v DC and needs to be recharged.	Press "TEST" button to reset the alarm. Recharge. None of the functions are working.



#### WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.



REGISTER YOUR  
PURCHASE HERE

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