

Portable Power Station & Emergency Jumpstart (& Air Compressor – on SWPP9 ONLY)

Instruction Manual



Model No's.

SWPP9 – WITH Air Compressor

SWPP10 – WITHOUT Air Compressor

IMPORTANT WARNING: This product is supplied with a minimal charge at manufacture, it is unable to function in any way unless the unit is fully charged immediately after purchase. **THIS IS ESSENTIAL BEFORE ANY USE.**

Furthermore for maximum efficiency the power pack should be re-charged (particularly in cold weather) regardless if the unit has been used or not (see manual for details).

Read and understand these instructions and retain for future reference.



IMPORTANT SAFETY INSTRUCTIONS

- This product is intended for domestic use only, in accordance with these instructions
- Check the rating plate to ensure that the correct input voltage is being supplied to the product.
- Always switch the product off and remove the plug from the wall socket when not in use and before cleaning or changing accessories.
- Never leave this product unattended when connected to the mains supply.
- Always ensure the product is switched off before connecting it to the mains supply.
- Domestic electrical products are not designed for use by children. Any child using a domestic electrical product should be closely supervised by a responsible adult to ensure all instructions and safety precautions are adhered to.
- Never allow the mains cable to come into contact with a heat source, water or any other liquid. Ensure sharp objects such as knives etc are never used close to a mains cable when the product is in use.
- Never allow the cable of an electrical product to drape over the edge of a work surface where it could be pulled by a small child. Always check the position of the mains cable when the product is charging and wrap it around cable restraints when provided.
- Never carry an electrical product by the mains cable as this could cause damage resulting in electrical failure when next used.
- Never operate this product if the cable or plug, become damaged. NOTE: Only a qualified person should carry out repairs on this item.
- Be aware that many domestic electrical products become hot during use. Never touch hot surfaces during use and ensure all users are informed of the risks.
- Where relevant, keep all ventilation slots clear from obstructions and observe safe working distances from walls etc. Never insert anything into the ventilation slots of an electrical appliance.
- Never operate this product with wet hands. Always ensure your hands, the appliance and work area, are dry before switching on.
- If this product stops working unexpectedly, switch off immediately. Seek professional advice before attempting to re-use the product.

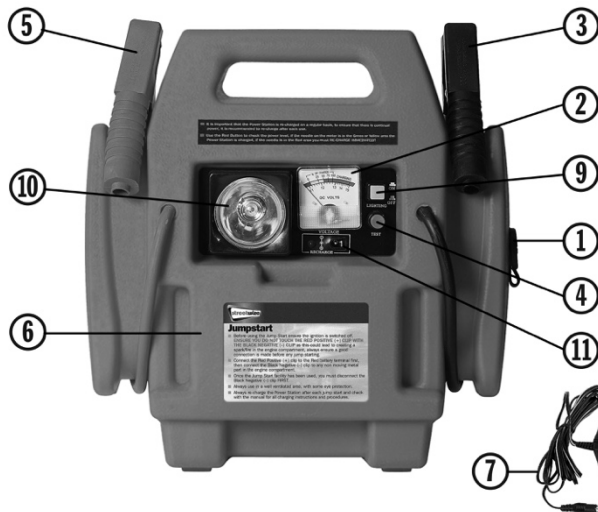


Figure 1. SWPP9 & SWPP10
Front view showing control panel



Figure 2. SWPP9 (ONLY)
with Air Compressor

1. 12 Volt output socket with overload protection
2. Color-coded battery meter
3. Heavy duty 400 AMP booster clamp (-)
4. Switch
5. Heavy duty 400 AMP booster clamp (+)
6. Impact resistant polyethylene case
7. 230V AC adapter/charger
8. 12V DC adapter/charger
9. Emergency light switch
10. Emergency light
11. DC charging LED and charging plug socket

12. Pressure Gauge
13. Compressor switch
14. 3Pce Adaptor Kit
15. Inflation hose and cover of compressor for storing of the hose

FEATURES

1. 900 Amps peak, 400 Amps continuous jump starting power.
2. Starts cars, trucks, recreation vehicles and boats without the need of a host vehicle or booster cables.
3. 12V power socket with overload protection provides power for utilities and appliances that usually plug into a vehicle or boat 12V power socket.
4. Provides up to 50-hours of DC power when use with 12V DC socket.
5. Use 12V appliances in remote sites and/or in emergency when commercial power is not available.
6. Solid-state, automatic operation and circuit protection.
7. Maintenance-free, 10Ah battery.
8. This system can be stored without risking acid leakage.
9. Heavy-duty cable with high current carrying capacity.
10. Easy-to-read, colour coded battery meter.
11. DC power cord allows recharging from 12V DC cigarette lighter socket.
12. Molded high-impact case is tough and durable.
13. Built-in light for emergencies and road side repair.



USAGE INSTRUCTIONS

The power booster is designed as a compact, durable and portable jump start system for vehicles and boats. This self-contained system will start most vehicles and boats without the need for a host vehicle or 230V AC power supply. This system can also be used as a safe, portable source of 12V DC electric power in remote location and emergencies.

The power booster has an easy to read, colour-coded battery meter that indicates charge level. A 12V DC power socket is provided for use with appliances that would operate from a vehicle power accessory socket. The power booster can be charged from a vehicle with the 12V DC charging cable (provided). This allows maximum portability and useability when a mains plug is not available. Your jumpstarter can also be recharged with the included 230V AC adapter/charger. The red LED will illuminate when the battery is recharging.

Warning

Always wear eye protection when working on or around lead-acid batteries

If splashed with battery acid:

Immediately wash effected area such as face and particularly the eyes with clean water. Continue washing the affected area until medical help arrives.

Warning

Lead-acid batteries generate hydrogen gas during normal operation. More gas is generated when the battery is charging. Hydrogen gas is:

- 1.Explosive
- 2.Poisonous to breathe
- 3.Highly flammable

To avoid explosion and/or the possibility of being splashed with battery acid:

- 1.Never allow the red and black clamps to touch each other nor to both touch the same metal object.
- 2.Only attempt to jump start a vehicle or boat in a well ventilated area.
- 3.Always connect the red(+) clamp to the positive(+) battery terminal of vehicle
- 4.Do not connect the black(-) clamp to the negative (-) battery terminal
(see jumpstarting instructions).

Cautions

- 1.To avoid possible damage that may shorten the unit's working life, protect this unit from direct sunlight, direct heat and/or moisture.
- 2.This system is designed to be used on vehicles or boats with 12-Volt electric systems only.
- 3.This system is not designed to be used as a replacement for a vehicle's battery
- 4.Air Compressor Caution: Only run the air compressor for 10 mins at a time, allow a cooling period of at least 10 minutes in between uses.

RECHARGING

1. For maximum battery life, your jump starter should be kept and stored fully charged at all times. Battery life maybe shortened if the jump starter is stored in a discharged state. The table below shows the relationship of the frequency of use between recharging and the expected number of charge/recharge cycles.

Table 1.-Battery life

Number of jump-starts between recharging	Discharge and recharge cycles
1	1000+
5	700+
10	500+

2. Battery Recharging Tips

The time required to fully recharge your jump starter after jump-starting an engine is a dependent on how many jump starts are performed between recharging sessions. Table 2 shows the approximate recharging times.

Table2.-Recharging times VS. Jump-starts

Number of jump-starts	Recharging Time(in hours)
1	8
2	16
3	24
4	32
5	40
6	48

3. To check the battery charge, press the red button next to the volt meter. This will show you the battery's internal charge level.

AC adapter/charger charging:

Plug the Adapter/charger into an AC power outlet and plug the other end (output DC 12V) into the charging plug socket (beside DC charging LED (No.11, see figure 1) on the front panel of your power pack until the battery meter shows full (15V DC).

12V DC power cord charging

Insert the power plug of the 12V DC adapter/charger (No.7, see figure 1) into the 12V DC power socket (on your vehicle or boat) and plug the other end (output DC 12V) into the charging plug socket (beside DC charging LED No.11, see figure 1) on the front panel of your power pack until the battery meter shows full(15V DC)

OPERATION

To use your power booster as a 12V DC/DC power source:

1. Lift up the cover of 12V DC cigarette lighter receptacle (see No.1 of figure 1).
2. Insert the 12V DC cigarette lighter plug from the appliance into the 12V DC cigarette lighter receptacle on the side of your booster.

The following table will give you an idea of what operation time you can expect when starting from a fully charged system.

Appliance type	Estimated power consumption (in watts)	Estimated usage time (in hours)
Fluorescent lights cell phones	4	30
Radios, fans ,depth finders	9	21
Camcorders ,VCR's spotlights	15	12
Electric tools ,bilge pumps	24	7
Electric coolers	48	3
Air compressors ,car vacuums	80	1.5

JUMP STARTING

For performance when using your power booster to jump start a vehicle or boat, please read and follow these **step by step instructions:**

Negative Grounded Vehicle

Connect the red (+) crocodile clip to the red (+) positive battery terminal on the vehicle or boat.

Connect the black (-) crocodile clip to a non-moving metal part of the engine, NOT to the(-) negative battery terminal.

Wait a minute or two

Switch the vehicle or boat engine ignition to “start” for no more than 5 to 6 seconds.

If the vehicle or boat engine does not start, wait at least 3-minutes before trying again.

Under no circumstances allow the red and black clamps to touch each other or a common contact

Once the engine is running, disconnect the black (-) clamp first and return this cable to its stored position on the power booster.

Disconnect the red (+) clamp and return this cable to its stored position on the power booster.

As soon as possible connect your power booster system to one of the supplied chargers.

Compressor operation (SWPP9 ONLY): Air Compressor Caution, only run the air compressor for 10 mins at a time, allow a cooling period of at least 10 mins in between uses.

Be sure main power switch on front face is in the “ON” position.

For tyre inflation use the universal adapter that is attached permanently to the air hose. Place this adapter (see figure 2, 15) onto the tyre valve, press the adapter lever down to lock onto the tyre valve.

For inflation of leather balls, flotation devices, etc., use the applicable plastic nozzle.

Check pressure gauge (see figure 2, 12), determine the desired pressure.

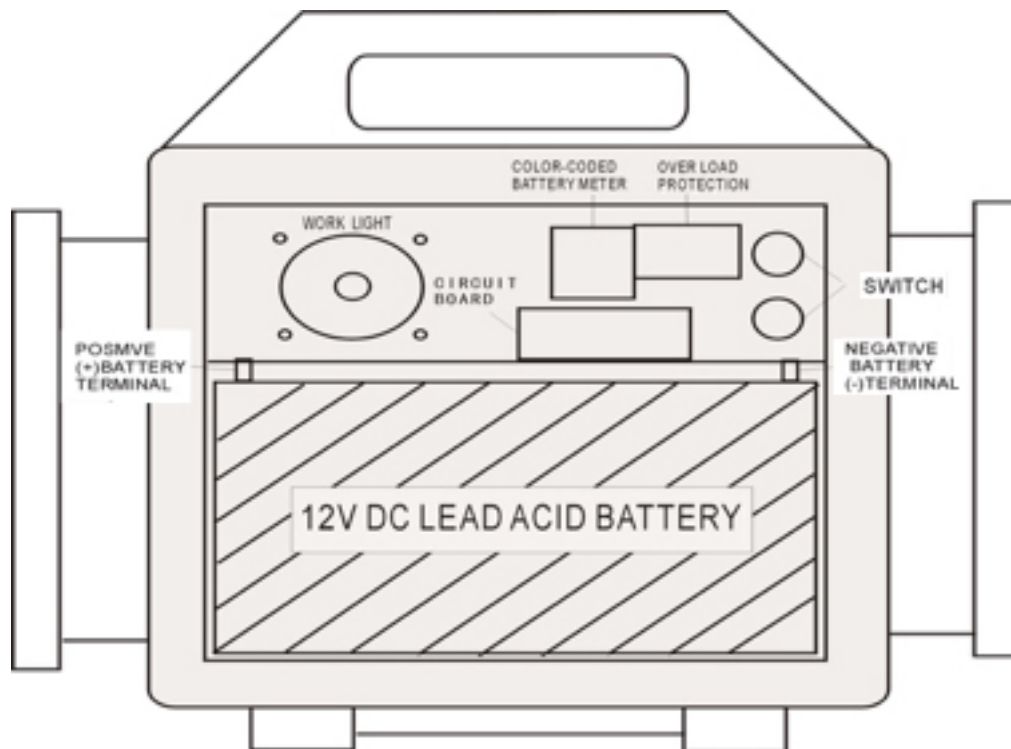
Turn on power switch (see figure 2, 13)

When the desired pressure is reached turn the compressor switch (see figure 2, 13) off.

Remove the adaptor (see figure 2, 15) from tire or other item being inflated.

BATTERY REPLACEMENT

Figure 3. shows a back view of your power booster with the cover and eight screws removed. To replace the battery follow these steps.



1. Unscrew and remove the eight cross-headed screws at the back of your power booster.
2. Lift off the cover plate to expose the battery compartment.
3. Unscrew the two cross-headed screws at the top of the battery.
4. Lift the battery out the battery compartment.

Cautions

To avoid possible damage that may shorten the unit's working life, ensure that the red and black recharging wires stay attached with the jumper cables and are not switched.

5. Detach cables and the red and black recharging wires from the battery terminals.
6. Ensure that the replacement battery is oriented with the label out.
7. Ensure that the red cable and red recharging wire are attached to the positive (+) battery terminal (also marked with red). Attach cables and the recharging wires to the battery terminals.
8. Taking care NOT to damage the circuit board, slide the new battery into position.

EMERGENCY LIGHT-BULB REPLACEMENT

1. Gently squeeze the sides of the emergency light lens bezel together and remove the lens and bezel.
2. Unscrew and remove the faulty bulb.
3. Replace with a new bulb.
4. Snap the lens and bezel in place.



BATTERY DISPOSAL:

The lead acid battery contained in the power booster jump start system should be recycled once it has expired. Please contact your local solid waste authority for recycling information.

Warning: Do NOT dispose of the battery in an open flame as this may result in an explosion.

Warning: Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire). Do NOT expose battery to fire or intense heat as it may explode.

ENVIRONMENTAL MESSAGE

The crossed out wheelie bin symbol on this item indicates that this appliance needs to be disposed of in an environmentally friendly way when it becomes of no further use or has worn out. Contact your local authority for details of where to take the item for re-cycling.

IMPORTANT ADDITIONAL INFORMATION:

This Power Pack is NOT intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the Power Pack by a person responsible for their safety.

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