

# MULTI-FUNCTION POWER PACK

## INSTRUCTIONS



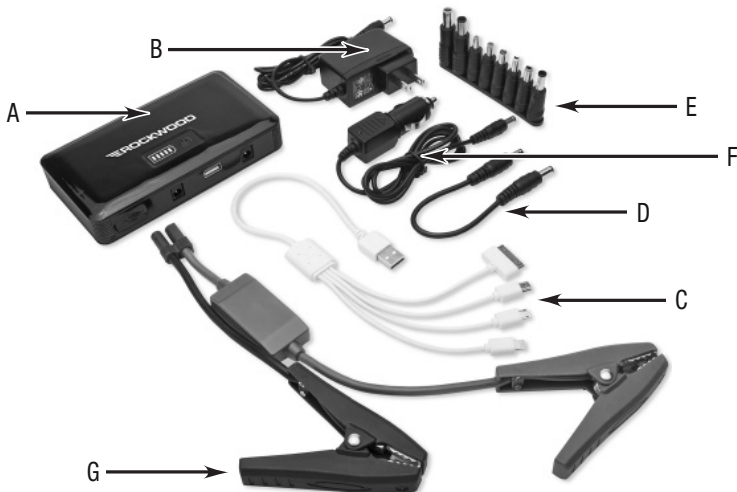
The **ROCKWOOD™ MULTI-FUNCTION POWER PACK** is an amazingly powerful yet compact power source fully capable of starting a vehicle repeatedly as well as providing power to recharge cell phones, laptops, cameras and other electronic devices. The Lithium Ion Internal Battery provides Super High Output and Long Life.

## SPECIFICATIONS AND FEATURES

- Three output voltage modes: 12-volt, 16-volt or 19-volt + 5-volt USB output port.
- Heavy-duty cables and clamps fit top-post and side-terminal batteries.
- Maximum 12 volt starting current = 200 amps.
- Minimum battery voltage for jump feature to operate = 2.5 volts.
- Input power requirements = 110V AC, 60 Hz., 0.6 Amp.
- High-power, 3 mode LED lamp; On solid, flashing S.O.S. distress signal and steady strobe flash.
- Approximate charge time = 3 hours.
- Lithium Ion Internal Battery for High Output and Long Life.

## INCLUDES

- (1) Compact, 5-3/4" x 3-1/4" x 1" Power Bank (A)
- (1) Plug-in, wall unit, 15 Volt charger with 4' cord (B)
- (1) 4-into-1 USB to Electronic Device Powering Cable (C)
- (1) Laptop Interface Cable (D)
- (1) 8 Laptop Interface Adapters (E)
- (1) Power Port (lighter) 12V Charging Plug with 4' cord (F)
- (1) 12 Volt Battery Terminal Clamps and harness with plug (G)



# SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:

## **WARNING**

WARNING indicates a hazardous situation which, if not avoided, will result in death or serious injury.

## **CAUTION**

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



## **READ INSTRUCTIONS**

Thoroughly read and understand this manual before using the Rockwood Multi-Function Pack. Save for future reference.



## **WARNING EXPLOSION HAZARD**

- Do not use this Power Pack in the presence of flammable fumes or gases.
- The 12 Volt Battery Jumping Feature is designed to be used with 12-volt DC battery systems only. Do Not connect to a 6-volt or 24-volt battery system.
- Do not smoke or use flammable items (matches, cigarette lighters, etc.) while working on a vehicle's battery system.
- Never charge a frozen battery, as it could explode.
- Do not expose battery to fire or intense heat, as it can explode.
- Perform all charging procedures in a dry, well-ventilated area. Batteries may produce explosive gases during charging.
- Do not use the 12V Jump Start Cables for any purpose other than jump starting a vehicle. The Power Pack is not designed to be used in place of a vehicle battery or to be used as a vehicle battery charger. Remove Cables as soon as engine starts.
- Do Not attempt to jump a vehicle longer than 10 seconds or overheating and severe damage to the Power Pack could occur.
- Never touch Red and Black Power Bank clamps together or to a common piece of metal. This will cause sparking and destroy the Multi-function Power Pack which can result in explosion, personal injury and vehicle damage.



**⚠ WARNING CONTACT WITH BATTERY ACID CAN CAUSE BLINDNESS AND SEVERE CHEMICAL BURNS**

- Always wear protective eyewear when using this device.
- Keep clean, fresh water and soap nearby when working with batteries to clean skin, eyes and clothing which may have contacted battery acid.
- Do not use Battery Charger function for charging dry-cell batteries that are commonly used with home and portable appliances. These batteries may burst and cause injury to persons and damage to property.
- In case of battery acid contact:
  - SKIN: Wash skin thoroughly and seek medical attention immediately.
  - EYES: Flush eyes with cool water for at least ten minutes.  
Seek medical attention immediately.



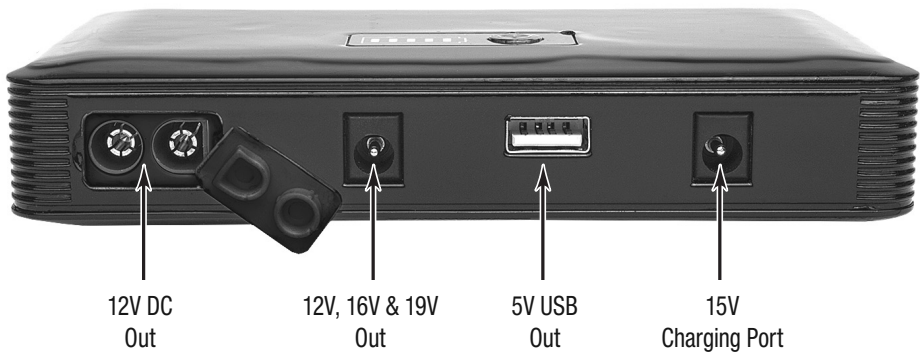
**⚠ WARNING ELECTRICAL SHOCK HAZARD**

- Never operate or store unit in damp or wet conditions. Do not allow it to be immersed in water or other liquids.
- Remove all jewelry or metal objects that could cause short circuits.  
A 12-volt battery will produce a current high enough to weld rings, watches or other similar objects to metal, causing a severe burn.



**⚠ CAUTION**

- Some late-model vehicle engine management systems may be adversely affected when using the Jump-Starting feature. Read the specific vehicle's owner's manual to confirm that external-starting assistance is allowable.
- Excessive engine cranking can overheat and damage a vehicle's starter motor. If an engine fails to start after a repeated number of attempts, discontinue this engine starting procedure and begin a diagnosis of the cause.
- Keep Multi-function Power Pack out of reach of children.
- Do not open the Multi-function Power Pack. There are no user-serviceable parts inside.



## 12 VOLT BATTERY JUMPING

1. Lift rubber panel from side of Power Bank **(A)** and insert the Battery Terminal Clamp harness **(G)** plug
2. Attach Clamps to battery connections, per following procedure, ensuring a good connection.
3. Check and confirm polarity of battery terminals  
**Positive = ( +, POS, P)**  
**Negative = ( -, NEG, N)**
4. Determine which terminal of battery is grounded (connected) to the chassis. If negative terminal is grounded to chassis (as in most vehicles), it is a negative ground system. If positive terminal is grounded to the chassis, it is a positive ground system.
5. For negative-grounded vehicle, connect positive **(RED)** charger clamp from Power Bank to positive **( +, POS, P)** ungrounded terminal of battery. Connect negative **(BLACK)** charger clamp to vehicle chassis or engine block away from battery. Do not connect clamps to carburetor, fuel lines or sheet metal body parts. Connect only to heavy gauge metal part of the frame or engine block.
6. For positive-grounded vehicle, connect negative **(BLACK)** charger clamp from Power Bank to negative **( -, NEG, N)** ungrounded terminal of battery. Connect positive **(RED)** charger clamp to vehicle chassis or engine block away from battery. Do not connect jumping clamps to carburetor, fuel lines or sheet metal body parts.
7. Connect only to a heavy gauge metal part of the frame or engine block.
8. Make sure all power draining components (A/C compressor, heater fan, lights, radio etc.) are turned off.
9. Begin cranking the engine in 3-second intervals until the engine starts with a rest time of 4 minutes between each cranking interval to allow the starter to cool. Do not crank the engine for more than 3 seconds at a time.
10. Once the engine starts, disconnect the cables and clamps in the reverse order in which they were connected. Disconnect the first cable as far away from the battery as possible.

# JUMP-START TROUBLESHOOTING

## • ENGINE FAILS TO CRANK

- Unplug Mini Jump Pack/Portable Power Bank and check terminal condition and connections. Remove and clean battery terminals and cable ends.
- Check Mini Jump Pack/Portable Power Bank Cable Clamp connections. Wiggle the clamp while holding onto terminal to allow clamp teeth to “bite” into terminal.
- Battery is excessively cold. Charge rate will increase significantly above 32°F.
- Ensure that the Mini Jump Pack/Portable Power Bank has sufficient charge.
- Make sure the battery voltage is at least 2.5 volts. Battery may be fully discharged and will not accept boosting.
- Battery may be sulfated.
- Battery may be expired and internally shorted.

## 12V, 16V OR 19V LAPTOP/ELECTRONIC DEVICE POWERING/CHARGING

1. Insert Laptop Interface Cable (**D**) into “12V, 16V, 19V” port located on the side of Multi-function, Mobile Power Unit (**A**).
2. Select the Insert Laptop Interface Cable (**D**) fits your device then plug it into the end of the Laptop Interface Cable (**D**).
3. Depress the “On” Button located on top of the Mini Jump Pack/Portable Power Bank (**A**) and select the voltage compatible with the device you wish to power (12V, 16V or 19V).  
**NOTE:** The Mini Jump Pack/Portable Power Bank will always default to 12V when turned on.
4. Plug the assembled Insert Laptop Interface Cable (**D**) and Laptop Interface Cable (**D**) into the power port of your laptop or electronic device.

## 5V, 2A USB LAPTOP/ELECTRONIC DEVICE POWERING/CHARGING

1. Insert 4-into-1 USB to Electronic Device Powering Cable (**C**), into “5V, 2A” USB port located on the side of the Mini Jump Pack/Portable Power Bank (**A**).
2. Depress the “On” Button located on top of the Mini Jump Pack/Portable Power Bank (**A**).  
**NOTE:** Mini Jump Pack/Portable Power Bank will always default to 12V when turned on.
3. Select the appropriate end of the 4-into-1 USB to Electronic Device Powering Cable (**C**) that fits your device. **NOTE:** Some phone/personal device circuitry may reject the 4-into-1 USB to Electronic Device Powering Cable. If this occurs, use a manufacturer-specific cable for your particular phone/personal device.

# LED LIGHT/EMERGENCY SIGNAL OPERATION

1. Depress and the “ON” Button located on top of the Mini Jump Pack/Portable Power Bank **(A)**. **HOLD FOR 3 SECONDS**. The LED will illuminate steadily.
2. Press the “ON” Button again and the LED will flash a repeating “S.O.S” signal in Morse Code (3 short flashes, 3 long flashes, 3 short flashes).
3. Pressing “ON” Button again will switch the LED to a steady flashing sequence.
4. Pressing a 4th time will turn it off.

# INTERNAL BATTERY CHARGE INDICATOR

Depressing and releasing the “ON” Button quickly will turn on the Mini Jump Pack/Portable Power Bank and the Battery Level Indicator will glow Blue. The number of bars illuminated (1 through 5) will indicate the level of battery charge.

# CHARGING INTERNAL BATTERY

## 120 VOLT, HOUSE CURRENT CHARGING

1. Plug the wall unit, 15 Volt Charger **(B)** into a 120 Volt AC power outlet.
2. Insert the round plug of the 15 Volt Charger cable **(B)**, into the “15V, 1A” port located on the side of Mini Jump Pack/Portable Power Bank **(A)**. Approximate charge time = 3 hours.

## 12 VOLT, VEHICLE POWER PORT CHARGING

1. Plug the Automotive Type Power Port (lighter) Charging Plug **(F)** into a vehicle 12 Volt power port or cigarette lighter socket.
2. Insert the round plug of the 12 Volt 12V Charging Plug **(F)**, into the “15V, 1A” port located on the side of Mini Jump Pack/Portable Power Bank **(A)**. Approximate charge time = 3 hours.

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**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: [techelp@eastwood.com](mailto:techelp@eastwood.com)

PDF version of this manual is available online >> [eastwood.com/30554manual](http://eastwood.com/30554manual)

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