



RUGGEDGEEK™

WWW.RUGGEDGEEK.COM

USER GUIDE



EMERGENCY JUMP STARTER | PORTABLE POWER SUPPLY

INTELLIBOOST™ ULTRA

RG600 | 12V | 600A

REV 1.16B

IMPORTANT

THE RG600 IS AN EMERGENCY TOOL AND SHOULD BE KEPT FULLY CHARGED, IN CASE OF AN EMERGENCY.

THE BATTERY IN THE RG600 WILL DISCHARGE AT A RATE OF APPROXIMATELY 1-2% PER MONTH WHEN NOT IN USE. WE RECOMMENDED TOPPING UP THE CHARGE EVERY FEW MONTHS TO ENSURE BEST PERFORMANCE WHEN NEEDED.

TABLE OF CONTENTS

WELCOME.....	1
PACKAGE CONTENTS.....	2
PRODUCT FEATURES.....	3
JUMP STARTING A VEHICLE.....	4
CHARGING USB DEVICES	5
CHARGING LAPTOP COMPUTERS.....	6
USING THE LED FLASHLIGHT	7
CHARGING THE RG600.....	8
TROUBLESHOOTING.....	9
SPECIFICATIONS	10
SAFETY INFORMATION	11
RG150 12V AIR COMPRESSOR	12
OPERATING INSTRUCTIONS	13
USING THE ADAPTORS.....	14
TECHNICAL SPECIFICATIONS.....	15
WARRANTY & SUPPORT.....	16

WELCOME

Welcome to your new RUGGED GEEK™ INTELLIBOOST™ ULTRA RG600 Emergency Jump Starter and Personal Power Supply.

Your next generation Lithium Ion Jump Starter features class-leading construction, exclusive INTELLIBOOST™ cables and a unique design perfected in North America for the ultimate in safety and convenience.

We are excited by the versatility, features and safety offered by the RG600 and encourage you to read through the owner's manual to ensure trouble free and safe operation.

IMPORTANT:

For updates to this manual, additional support, product-use videos and more please visit us at www.ruggedgeek.com.

PACKAGE CONTENTS



(1) INTELLIGENT JUMP STARTER | PORTABLE POWER SUPPLY & INTELLIBOOST JUMPER CABLES



(1) WALL CHARGER



(8) LAPTOP CHARGING TIPS



(1) LAPTOP CHARGING CABLE

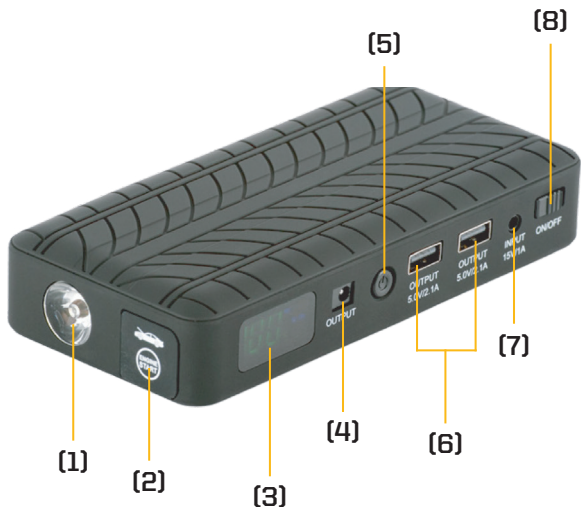


(1) CAR CHARGER



(1) 4-IN-1 USB CABLE

PRODUCT FEATURES

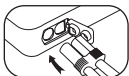


- (1) LED FLASHLIGHT
- (2) JUMP STARTER OUTPUT
- (3) LCD SCREEN
- (4) LAPTOP OUTPUT
- (5) CIRCLE BUTTON
- (6) 5.0V/2.1A USB OUTPUTS
- (7) 15V/1A INPUT
- (8) POWER SWITCH

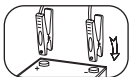
JUMP STARTING A VEHICLE

60%

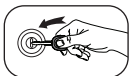
Step 1: Make sure that your RG600 has at least a 60% charge. The higher the charge level, the more available boosting power.



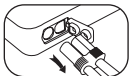
Step 2: Lift the rubber cover and plug the INTELLIBOOST cables into the RG600.



Step 3: Connect the Red Clamp to the positive "+" terminal and the black clamp to the negative "-" terminal of the battery of the vehicle needing a boost.



Step 4: Turn the vehicle ignition to the "ACC" (Accessory) position for (2) seconds, or until the INTELLIBOOST indicator light turns green. Then turn the ignition to "START" to start the vehicle.



Step 5: Remove the INTELLIBOOST cables from the battery of the vehicle being boosted and then unplug them from the booster. Ensure that the unit is turned off to save battery life.

IMPORTANT:

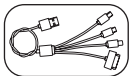
The INTELLIBOOST sensor will not turn green until a draw is recognized. This is designed to ensure a proper connection with no accidental power discharge.

Do not crank the engine for more than 4 seconds (continuously) while the unit is connected to the battery, as this may cause damage to the jump starter.

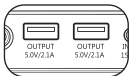
Please read your vehicle owner's manual prior to jump starting any vehicle to ensure that all safety precautions regarding the vehicle have been followed.

While it may be possible to jumpstart a vehicle with a charge level below 60%, a much more powerful boost is available at higher charge levels. Boosting with a charge below 60% is not advisable as it may cause harm to the RG600 and void your warranty.

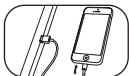
CHARGING USB DEVICES



Step 1: Locate the 4-in-1 USB cable or any other USB charging cable designed for your device.



Step 2: Plug the USB charging cable into one of the (2) USB charging ports "OUTPUT 5.0V/2.1A" on the RG600.



Step 3: Plug the other end of the 4-in-1 USB cable into the device in need of charging.

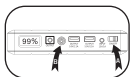
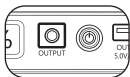
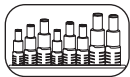


Step 4: Switch the RG600 to "ON" **(A)**, and short press the "CIRCLE" button **(B)**.

IMPORTANT:

The LCD display will briefly show the current output level when a USB device is initially plugged into the RG600. USB charging is disabled while the RG600 is being charged.

CHARGING LAPTOP COMPUTERS



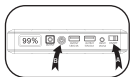
Step 1: Locate the suitable connector for your laptop and secure it to the end of the laptop charging cable. Be sure to confirm the charging/output voltage required by consulting the owners manual or original charging cable for your laptop if you are unsure.

Step 2: Insert the laptop charging cable into the laptop charging port "OUTPUT" of the RG600.

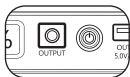
Step 3: Turn the RG600 to "ON" (A), then press the "CIRCLE" button (B). Each short press of the "CIRCLE" button will toggle the output voltage from 12V to 16V to 19V. Please be sure that the correct output as determined in step 1 is shown on the LCD display.

Step 4: Insert the other end of the laptop charging cable into your laptop charging port.

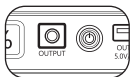
USING THE LED FLASHLIGHT



Step 1: Switch the RG600 to "ON" **(A)**, then press and hold the "CIRCLE" button **(B)** for (3) seconds and the flashlight will turn on. Release button once light is on.

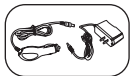


Step 2: With the flashlight on, press the "CIRCLE" button **(B)** to switch to SOS mode and again to switch to Strobe mode.

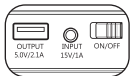


Step 3: Press the "CIRCLE" button **(B)** again to turn off the flashlight.

CHARGING THE RG600



Step 1: Choose either the 12V charger or the 110V home charger.



Step 2: Plug the charger end into the "INPUT 1.5V/1A" jack of the RG600. Plug the other end of the charger into a wall outlet or a 12V power outlet.

IMPORTANT:

The RG600 is designed to prevent overcharging, however, it is best to unplug the charger once the battery level reaches 100% for more than an hour.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The INTELLIBOOST cables won't stop beeping and I can't get it to boost my vehicle.	The INTELLIBOOST cables have detected an error.	Reset the INTELLIBOOST cables by unplugging them from the RG600 and disconnect the cables from the battery you were attempting to boost. Plug the cables back into the RG600 prior to connecting them to the vehicle in need of boost.
The light on the INTELLIBOOST cable won't turn green, but they are connected properly.	The cables do not detect a sufficient draw.	For the majority of vehicles, simply turning the vehicle to "ACC" or Accessory mode will initiate enough of a draw to turn the light green and allow you to boost. For certain lower draw vehicles without any accessory draw, often just attempting to start the vehicle will initiate the draw needed. If that still does not work, it is possible the draw sensed from the vehicle is not compatible with the INTELLIBOOST feature. On these vehicles, often turning on a light or other type of draw, may work.
I connected the INTELLIBOOST cables to the wrong terminals on the battery of the vehicle I am boosting and now the light is red and it's beeping, did I wreck it?	Reverse polarity connection of the booster cables	Don't worry... you are safe. The INTELLIBOOST cables are designed to not spark or cause any damage if the cables are accidentally hooked up in reverse. Simply connect the cables properly using the steps outlined in this manual.
I have my USB device plugged in, but it won't charge?	No power is being output from the RG600.	Ensure the proper cable is being utilized. Ensure the switch is in the "on" position and the "power" circle button has been pressed to initiate charge.

SPECIFICATIONS

BATTERY TYPE: **LITHIUM ION**

BATTERY CAPACITY: **11.1v / 35.52 wh**

BATTERY CYCLE LIFE: **1000+**

LED LIFE: **100,000 HOURS**

PEAK CURRENT RATING: **600A**

OPERATING TEMPERATURE: **-22°F (-30°C) TO +122°F (+50°C)**

INPUT (CHARGING) VOLTAGE: **15V, 1A**

OUTPUT VOLTAGE (JUMP STARTER): **12V**

OUTPUT VOLTAGE (USB): **2 @ 5V, 2.1A**

OUTPUT VOLTAGE (LAPTOP): **12V/16V/19V, 2A/3.5A/3.5A**

SIZE (L x W x H): **6.3" (16cm) x 2.9" (7.4cm) x 1.3" (3.3cm)**

WEIGHT (WITHOUT CABLES): **15.3 oz (435 gm)**

SAFETY INFORMATION

WARNING: PLEASE READ THESE SAFETY WARNINGS AND CAUTIONS CAREFULLY TO ENSURE YOUR PERSONAL SAFETY AND PREVENT PROPERTY DAMAGE.

FIRE AND ELECTRIC SHOCK HAZARD.

Do not expose your RG600 to liquid, moisture, humidity, or rain. Do not use the RG600 near a bathtub, sink, sauna, pool, or steam room. Exposure of the RG600 to moisture could result in electric shock.

Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate, paint, or insert foreign objects into the RG600. Such actions could result in electric shock and will void your warranty.

CLEAN THE RG600 ONLY WITH A DRY CLOTH.

Do not expose your RG600 to extremely high or low temperatures.

Do not leave your RG600 in direct sunlight for extended periods of time.

Do not leave your RG600 near open flames such as cooking burners, candles, or fireplaces.

BATTERY/CHARGER HAZARD

Do not dispose of your RG600 in a fire. The battery could explode causing injury or death.

Only charge the battery in accordance with the user instructions supplied with the RG600 using only the included chargers or those approved by Rugged Geek.

Do not attempt to disassemble the RG600 charger or force open the built-in battery because this may result in electric shock.

Do not charge the RG600 in damp areas or in extremely high or low temperatures because this could result in electric shock.

Do not clean the RG600 when it is being charged. Always unplug the charger first before cleaning the RG600.

AUTOMOBILE ACCIDENT HAZARD

Do not leave or store the RG600 or any of its accessories near or over your automobile's air bag because serious injury may result when an air bag deploys.

OTHER HAZARDS

Do not use abrasive cleaners to clean your RG600 because this could cause scratches and damage.

Do not bring your RG600 in to contact with any sharp objects because this could cause scratches and damage.

Do not attempt to repair, modify, or disassemble your RG600 yourself, it does not contain any user-serviceable components.

Do not attempt to replace your RG600 battery, it is built-in and is not changeable.

Use only the manufacturer supplied charger to charge your RG600. Other chargers may look similar, but using them could result in electric shock and could damage the RG600.

Turn off your RG600 prior to boarding an aircraft. Do not use the RG600 inside an aircraft unless allowed by your airline.

THE FOLLOWING INFORMATION RELATES TO THE OPTIONAL AIR COMPRESSOR:

RG150 12V AIR COMPRESSOR

IMPORTANT SAFETY INSTRUCTIONS

This is not a toy. Please keep out of the reach of children.

Please store in a safe location when not in use.

DO NOT leave the compressor unattended when in use.

Make sure to stay safe and away from traffic, if you have to inflate tires on the roadside.

This compressor is intended for short run use. Maximum running time should not exceed 15 minutes and a 15 minute cool-down period is recommended before running the compressor again.

We recommend tire pressure to be checked as a part of your routine vehicle maintenance, with a fully calibrated gauge, by a car service center.

Please note: Correct tire pressure provides greater safety, longer tire life and better fuel economy.

Tire pressure readings should be taken on cold tires. Please check your vehicle owner's manual for appropriate tire pressure recommendations.

DO NOT use the compressor in the presence of flammable liquids, gases or dust.

DO NOT expose the compressor to rain or wet conditions.

DO NOT abuse the power cord. Keep the power cord away from heat, oil, sharp edges or moving parts.

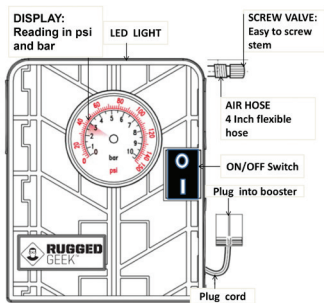
Damaged or entangled cords increase the risk of an electric shock.

In case of electrical or mechanical malfunction, immediately switch the compressor off and unplug it.

This product cannot be serviced by the user.

CAUTION: Over-inflation may cause items to burst which could cause injury. DO NOT attempt to overinflate.

OPERATING INSTRUCTIONS



- 1) Connect the power cord to designated power socket.
- 2) Remove the dust cap from tire valve and keep in a secure location while not in use.
- 3) Carefully remove the air hose from the side of the compressor and screw the valve connector in place. Make sure the valve is correctly connected, and not over tightened.
- 4) Press the 'ON' switch and the compressor will automatically start to inflate the tire.
- 5) Periodically pause the compressor to allow a steady tire pressure reading to be taken.
- 6) Once the correct tire pressure has been reached, switch the unit off, disconnect it from the tire valve, and place the dust cap back on the tire valve.

USING THE ADAPTORS

Step 1: Choose the compatible adaptor and screw it into the valve connector.

Step 2: Press the 'ON' switch and the compressor will automatically start to inflate the item.

Step 3: Periodically pause the compressor to allow a steady pressure reading to be taken.



INCLUDES THE FOLLOWING ADAPTORS

- (1) **NEEDLE ADAPTOR FOR SPORTS BALLS**
- (2) **PRESTA ADAPTOR FOR BICYCLE TIRES**
- (3) **NOZZLE ADAPTOR FOR INFLATABLES**

TECHNICAL SPECIFICATIONS

POWER INPUT: **DC 12V**

MAXIMUM PRESSURE: **150 PSI**

MAXIMUM CURRENT: **4A**

UNLOADED CURRENT: **<2.5A**

MAXIMUM VOLUME: **.53CFM / 15L PER MIN**

INFLATION SPEED: **LESS THAN 10 MINUTES TO INFLATE TIRE
FROM 0 TO 30 PSI**

WORKING TEMPERATURE: **-22°F (-30°C°) TO +122°F(+50°C)**

PRESSURE GAUGE DISPLAY: **ANALOG: READING IN PSI & BAR**

LIGHT: **1 LED**

SIZE (L x W x H): **4.3" (10.9cm) X 2.0" (5.1cm) X 3.7" (9.4cm)**

ACCESSORIES: **THREE ADAPTORS**

MODEL NO: **RG150**

WARRANTY & SUPPORT

Rugged Geek ("RG") warrants that its RG600 ("The Product") will be free from defects in material and workmanship for a period of twelve (12) months from the date of purchase (the "Warranty Period"). For defects reported during the Warranty Period, RG will, at its discretion, and subject to RG's technical support analysis, either repair or replace any Product sold by RG that contains such a defect. Replacement parts and products will be new or serviceably used, comparable in function and performance to the original part and warranted for the remainder of the original Warranty Period.

THE FOREGOING LIMITED WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

RG'S LIABILITY UNDER THIS LIMITED WARRANTY IS EXPRESSLY LIMITED TO REPLACEMENT (IN THE FORM AND UNDER THE TERMS ORIGINALLY SHIPPED), OR TO REPAIR, WHETHER SUCH CLAIMS ARE FOR BREACH OF WARRANTY OR FOR NEGLIGENCE. RG SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL LOSSES, DAMAGES OR EXPENSES OF ANY KIND, INCLUDING, WITHOUT LIMITATION, ANY SUCH LOSSES, DAMAGES, OR EXPENSES ARISING DIRECTLY OR INDIRECTLY FROM THE SALE, HANDLING, OR USE OF THE PRODUCT FROM ANY OTHER CAUSE RELATING THERETO, OR FROM PERSONAL INJURY OR LOSS OF PROFIT.

Some states do not allow the exclusion or limitation of incidental or consequential damages or length of an implied warranty so the above limitation(s) or exclusion(s) may not apply. This Limited Warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

This Limited Warranty is made to the original purchaser from RG and does not extend to any other person or entity and is not assignable. It is the obligation of the original purchaser to forward the Product, with the proof of purchase, to RG.

THE COSTS OF TRANSPORTING PRODUCTS TO RG FOR WARRANTY SERVICE IS THE RESPONSIBILITY OF THE ORIGINAL PURCHASER. THIS LIMITED WARRANTY IS VOID UNDER THE FOLLOWING CONDITIONS:

1. The Product is misused, subjected to careless handling, or operated under conditions of extreme temperature, shock, or vibration beyond RG's recommendations for safe and effective use.
2. The Product has not been installed, operated, charged, or maintained in accordance with approved procedures.
3. The Product is disassembled, altered, or repaired by anyone, except RG.
4. The electrical connections to either the AC input or any of the DC outputs of the jump starter are modified.
5. The Product is subject to improper storage or accidental damage.
6. The original purchaser fails to provide the original bill of sale.

THIS LIMITED WARRANTY DOES NOT COVER:

1. Normal wear and tear.
2. Cosmetic damage that does not affect functionality.
3. Products where the purchase date is undeterminable.

FOR ADDITIONAL WARRANTY INFORMATION AND TO REGISTER YOUR PRODUCT, PLEASE VISIT OUR WEBSITE AT WWW.RUGGEDGEEK.COM AND CLICK ON "SUPPORT". YOU MAY ALSO EMAIL US DIRECTLY AT MAKEMEHAPPY@RUGGEDGEEK.COM.



RUGGEDGEEK™

TO CHECK OUT OUR OTHER COOL
PRODUCTS, OR FOR ADDITIONAL
PRODUCT USAGE INFORMATION AND
VIDEOS, PLEASE VISIT:

WWW.RUGGEDGEEK.COM