

BRUNTON®

RESTORE

General Safety Information

IMPORTANT: Please read all the instructions before operating your BRUNTON Portable Power product.

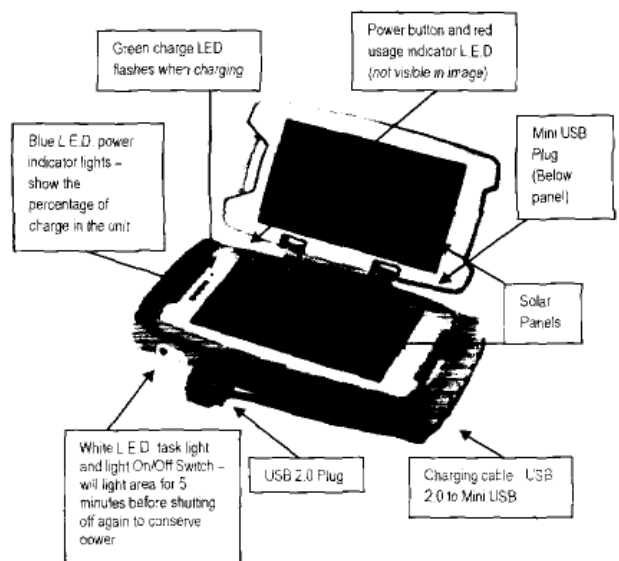
This manual contains important information about the BRUNTON Portable Power assembly, use, and maintenance of the product. Keep this manual for future reference. Be sure to read this manual completely before using the Restore to prevent misuse of the products and possible injury, fire, property damage or death.

Particular attention should be paid to the information accompanied by the safety alert words WARNING, IMPORTANT and CAUTION.

- **WARNING - ONLY** use this product with the supplied charging cables and accessories. Use of an attachment not supplied by BRUNTON may result in a risk of fire, electric shock or injury and will void your warranty on the product.
- **CAUTION - Do not** submerge the unit in water or use the unit after it has been exposed to water!
- **CAUTION — Do not** open the BRUNTON Portable Power unit —there are no serviceable parts inside.
- Check all cables carefully before use — cables exposed to extreme heat, sharp edges, water or petroleum-based products can become damaged. Do not use any cable that has exposed wires! Contact BRUNTON customer service at 1-800-443-4871 for replacement of any damaged product parts before use or the warranty will be voided on your unit.
- **CAUTION:** Check for compatibility and fit of adaptors before using the unit to charge electronic devices — improperly seated adaptors can be a shock hazard and may damage the electronic device.

- **CAUTION:** The USB output from this unit is built for USB 2.0 compatible 5V units. Using your BRUNTON Restore on older electronics could cause damage to units and/or the persons operating them.
- **WARNING – Explosion Hazard! DO NOT** incinerate any BRUNTON Portable Power device.
- **WARNING – DO NOT** use any BRUNTON Portable Power device to power medical equipment, life support or other critical devices.
- Your BRUNTON Portable Power product should not be disposed of like ordinary refuse. Please contact your local municipal or civil authority for instructions on correctly disposing of a Lithium Polymer Battery.
- **IMPORTANT – only** use a damp rag to clean your BRUNTON Portable Power unit. Use of chemicals can harm the unit and will void the warranty.

Features and Locations





Product Specifications

Battery Type: Lithium Polymer
 Solar Panel Type: (2) 100mA Polycrystalline
 Output Voltage: 5V (USB 2.0 Compatible) with auto shut-off feature.
 Output Current: 1000 mA
 Output Wattage: 5W
 Battery Capacity: 8.1 Wh
 Input Port: Standard USB 2.0 (Car Charge adaptor provided with unit)
 Output Port: Mini USB (Micro USB adaptor provided with unit)
 Dimensions: 3" x 5.75" x 1.13"
 Weight: 7.2 oz.
 Use Temperature: Usable from -10°F to 120°F
 Certification: CE, RoHS

Estimated Time to Charge:

- Restore, via Car Charger - 2 hours
- Restore, via USB 2.0 - 4 hours
- Cell phone, via Restore 1-2 hours
- MP3 player, via Restore 1-2 hours
- GPS via Restore 1-2 hours
- Camera, via Restore 1-2 hours

Note: Charge times are approximate and will vary depending on specific device used and solar conditions.

Determining the level of energy in your Brunton Restore:

The BRUNTON Restore unit comes with easily understood L.E.D. readout to show how much energy your portable power item is holding. Press the power button to turn on the unit. When you do this, the blue L.E.D. display on the surface of the unit will light up.

Number of blue L.E.D.s lit	Amount of power remaining
One	0.0% 24.9%
Two	25.0%-49.9%
Three	50.0% 74.9%
Four	75.0% to 100%

When your BRUNTON Restore is in use, a green light on the unit will tell you that the unit is charging. A red light from the power button means that the unit is being used to power another electronic device.

Traveling with your Portable Power Item

Please contact your airline prior to packing your BRUNTON Portable Power device. There are certain airlines that restrict the transport of battery items on their planes or request that certain safety precautions be made prior to boarding the aircraft.

Charging the Unit

The BRUNTON Restore unit needs to be charged before it is used. It can be charged via the vehicle-adaptor, the USB 2.0 connector or using solar power.

Charging the unit via the male vehicle-adaptor:

1. Plug the vehicle-adaptor into the USB 2.0 connector from the BRUNTON Restore unit.
2. Connect the male vehicle-adaptor into the vehicle cigarette lighter adaptor.
3. Leave the unit in place until fully charged.
4. Unplug the vehicle –adaptor and unplug the USB cable from the adaptor.
5. Return the USB 2.0 plug on the charging cable to its place on the unit.

Charging the unit via the USS 2.0 cable:

1. Unplug the USB 2.0 cable from the side of the BRUNTON Restore unit.
2. Make sure the Mini USB plug is firmly connected to the BRUNTON Restore.
3. Plug the USB 2.0 into a USB jack on your computer.
4. Leave the unit in place until fully charged.
5. Disconnect the unit from the computer.



6. Return the USB 2.0 plug on the charging cable to its place on the unit.

IMPORTANT — the power output provided by USB Hubs will be determined by the model. Many are not independently powered and may not provide enough power to charge in the time estimates provided, if at all. We do not recommend this use for our Portable Power items. Plug your unit into a USB 2.0 outlet on your computer whenever possible.

Usage Instructions

Charging with the BRUNTON Restore cable:

1. Fully charge your BRUNTON Restore unit.
2. Unplug the Mini USB connector from the side of the unit.
3. Plug the Mini USB connector into the electronic device needing power. Micro USB adaptor provided with the unit can be used if needed.
4. Wait until the electronic device is fully charged.
5. Unplug the Mini USB cable from the electronic device and reseat it in the BRUNTON Restore.
6. Recharge unit as necessary.

Charging with a USB cable that was supplied with your 5V electronics

1. Fully charge your BRUNTON Restore unit.
2. Unplug the Mini USB connector from the side of the unit.
3. Plug the USB cable supplied with your portable electronic device into the USB

port on the BRUNTON Restore. Plug the other end of your cable into the electronic device needing power.

4. Wait until the electronic device is fully charged.
5. Unplug the cable from the electronic device and from the BRUNTON Restore.
6. Reseat the mini USB connector into the port on the BRUNTON Restore.
7. Recharge unit as necessary.

Note: if you need another adaptor to use with your BRUNTON portable power product, please visit our website at www.brunton.com.

Brunton limited warranty

BRUNTON warrants this product to be free of defects in materials and workmanship for a period of one year. This warranty extends to the original purchaser for one year from the date of purchase.

This warranty is void and a charge for repair will be made if the product has been damaged by negligence, accident or mishandling, or has not been operated in accordance with standard operating procedures, or if the product was altered or repaired by other than a BRUNTON repair facility.

This warranty gives you specific legal rights, and you also have rights which vary from state to state. No other warranty, expressed or implied applies to this BRUNTON product. Nor is any person or company authorized to assume any



other warranty for BRUNTON. BRUNTON does not assume any responsibility for any consequential damage occasioned by this product. Should the product prove defective, contact BRUNTON and you will be provided with a Return Authorization Number (RA#) Send a copy of your proof of purchase, the RA#, a short description of the problem and the product to BRUNTON at the following address. BRUNTON suggests insuring the product in case of damage or loss in shipment.