

## OPERATOR'S MANUAL

# DieHard

## Universal Power and Adapter Kit 2 Amp DC to DC Converter

Model No.  
200.71521



### CAUTION:

Read all Safety Rules and Operating Instructions,  
and follow them with each use of this product.

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**Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.**

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00-99-000868/0808

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### DIEHARD ONE-YEAR FULL WARRANTY

When operated and maintained according to all supplied instructions, if this DieHard product fails due to a defect in material or workmanship within one year from the date of purchase, return it to any Sears store or other DieHard outlet in the United States for free replacement.

This warranty does not include fuses, which are expendable parts.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Hoffman Estates, IL 60179

**FOR CUSTOMER ASSISTANCE OR REPLACEMENT PARTS,  
CALL TOLL-FREE FROM 7 AM TO 4:30 PM CT  
MONDAY THROUGH FRIDAY: 1-800-SEARS-64 (1-800-732-7764)**

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**IMPORTANT: READ AND SAVE THIS SAFETY AND INSTRUCTION MANUAL.**

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**1. IMPORTANT SAFETY INSTRUCTIONS**

Before using your Universal Power and Adapter Kit converter, read and understand this Owner's Manual.

- 1.1 Keep the Universal Power and Adapter Kit well ventilated in order to properly disperse heat generated while it is in use. Make sure that there are several inches of clearance around the top and sides and do not block the slots of the converter.
- 1.2 Make sure the Universal Power and Adapter Kit is not close to any potential source of flammable fumes, gases or clothing.
- 1.3 Keep the Universal Power and Adapter Kit dry.
- 1.4 DO NOT allow the Universal Power and Adapter Kit to come into contact with rain or moisture.
- 1.5 DO NOT operate the Universal Power and Adapter Kit if you, the converter, the device being operated or any other surfaces that may come in contact with any power source are wet. Water and many other liquids can conduct electricity, which may lead to serious injury.
- 1.6 Do not place the Universal Power and Adapter Kit on or near heating vents, radiators or other sources of heat.
- 1.7 Do not place the Universal Power and Adapter Kit in direct sunlight. The ideal air temperature for operation is between 50° and 80°F.
- 1.8 Do not use the Universal Power and Adapter Kit near an open engine compartment.
- 1.9 Only connect the Universal Power and Adapter Kit to a 12 - 16.5 volt accessory outlet.
- 1.10 Do not modify the adapter plugs or connectors in any way.
- 1.11 Use only five amp fuses.

**WARNING:** Pursuant to California Proposition 65, this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**NOTE:** Nintendo®, PSP®, Game Boy®, iPod®, and Nintendo DS® are registered trademarks of independently owned and operated companies. This product has not been licensed or endorsed by these companies or their manufacturer.

## 2. PRODUCT FEATURES

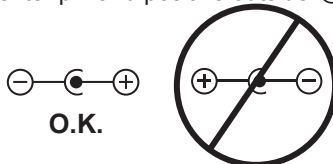


1. Nintendo Game Boy® Adapter Plug\*
2. Mini-USB Adapter Plug
3. Nintendo DS® Adapter Plug\*
4. USB Adapter Plug  
(Adapter Plugs 1-4 come assembled in bag)
5. Six Piece Adapter Plug Set
6. Carrying Case
7. Connector Plug
8. Selector Knob
9. Converter

\*Adapter plugs 1&3 are compatible with but not manufactured by Nintendo®

## 3. BEFORE USING THE UNIVERSAL POWER AND ADAPTER KIT

- 3.1 It is important to know that this converter only supplies DC power at the voltage you set it to. Read the specifications in the “input” section of the device’s manual you are about to power before plugging it in.
- 3.2 This converter only charges  $\ominus \text{---} \bullet \text{---} \oplus$  devices (positive center pin, and negative outside). If the polarity of the device you are trying to power has a negative center pin and positive outside  $\oplus \text{---} \bullet \text{---} \ominus$  the converter will not work.



- 3.3 Make sure that the device is turned OFF before inserting plugs. Failure to do so may cause damage that isn’t covered by the manufacturer’s normal warranty.

## 4. OPERATING INSTRUCTIONS

The Universal Power and Adapter Kit comes in a carrying case with 10 adapter plugs. Select the appropriate connector for the device you would like to operate.

### 4.1 Setting the Converter Voltage

- Determine the proper voltage setting by checking the electronic device rating plate, owner's manual, or number of batteries.

### 4.2 Plugging Adapter Plugs into the Universal Power and Adapter Kit and Electronic Device:

- After selecting the appropriate adapter plug, push into the Universal Power and Adapter Kit's cord plug. **NOTE:** Each connector has a tab guide so that they will only fit into the plug one way. Forcing the connector into the plug the wrong way (reversed polarity) will cause damage to your device and/or Universal Power and Adapter Kit.
- Make sure the electronic device is turned off. Firmly push the selected adapter into the device input socket.

### 4.3 Plugging Universal Power and Adapter Kit in Vehicle:

- Make sure that the 12V accessory (cigarette) outlet in your vehicle is free of any materials and debris. Particles in the accessory outlet could cause a short; blowing the fuse in your vehicle and/or Universal Power and Adapter Kit.
- Make sure that the vehicle's engine is off and there is not anything plugged into the Universal Power and Adapter Kit other than the selected connector.
- Firmly plug the 12V end of the Universal Power and Adapter Kit into the 12V accessory outlet.

**NOTE:** Some vehicles' 12V outlets are not live unless the key is turned to the ACC position. If the red LED does not illuminate on the Universal Power and Adapter Kit, turn the vehicle's key to the ACC position without starting the engine.

- The Red LED illuminates when the Universal Power and Adapter Kit converter receives power from the 12V accessory outlet. The Universal Power and Adapter Kit is equipped with a five amp fuse, located in the neck of the converter, for overload protection. See the Troubleshooting section for instructions on how to replace the fuse.
- Turn on the electronic device.
- It is not recommended to leave the Universal Power and Adapter Kit plugged into the vehicle's 12V accessory outlet while the car is not running. Doing so may drain the vehicle's battery.

**WARNING:** To ensure that damage will not occur, check voltage and polarity of electronic device before using this product. ALWAYS SWITCH OFF APPLIANCES PRIOR TO INSERTION OF PLUGS. Failure to do so may cause damage that is not covered by the normal warranty. It is best to

check your owner's manual.

#### 4.4 Storage of Adapter Plugs and Converter:

- The carrying case is equipped with 10 pocket holders for the adapter plugs and a strap for the converter.
- The first four pockets across the top are specifically labeled for each connector.
- The rest of the pockets have suggested labels, but the adapter plugs can be stored in any of the six pockets that you feel fit for your devices.

### 5. POWER SOURCE AND OUTPUTS

The Universal Power and Adapter Kit operates with any 12 - 16.5V DC power source. The converter's power is dependant on and is determined by the charge and life of the vehicle's battery.

The Universal Power and Adapter Kit supplies DC voltage in the range of 3V, 4.5V, 5V (USB), 6V, 9V and 12V DC at a maximum of 2 amps. **Setting the wrong voltage may damage the device you are trying to power. Read the device's owner's manual specifications under the "input" section to determine proper voltage. Using devices rated over 2 Amps will blow the fuse and could cause damage to the Universal Power and Adapter Kit.**

### 6. USAGE EXAMPLES

Device Type	Estimated Voltage
Portable CD Player	3 Volts
Camcorder	4.5 Volts
iPod®	5 Volts (USB)
PSP®, Game Boy®, Nintendo DS®	5.4 Volts
Camera	6 Volts
GPS	9 Volts
Radio	12 Volts

*Some devices may have different specifications than the ones listed in the table. Please refer to device's owner's manual before using the converter.*

### 7. SPECIFICATIONS

Input Voltage	12 - 16.5V DC
Output Voltage	3V, 4.5V, 5V, 5.4V, 6V, 9V, 12V DC
Fuse	5A /250V
Adapter Plugs	Mini USB, USB, Game Boy®, Nintendo DS®, 2.3mm yellow, 3.3mm orange, 4.0mm yellow, 5mm red, 5.5mm blue, 5.5mm white.
Dimensions	7 x 1.42 x 2.75"

## 8. REPLACEMENT PARTS

**5A Fuse:** 0099000549

**USB Adapter Plug:** 0699000281

**Mini-USB Adapter Plug:** 0699000284


**Nintendo Game Boy® Adapter Plug:** 0699000282\*

**Nintendo DS® Adapter Plug:** 0699000283\*

**Six Piece Adapter Plug Set:** 2299001762

\*Nintendo Game Boy® and Nintendo DS® adapter plugs are compatible with but not manufactured by Nintendo®.

## 9. TROUBLESHOOTING

Problem	Cause	Solution
Device you're trying to power doesn't work.	Converter is set to wrong voltage.  Device polarity doesn't match.	Check device specifications.  This unit only works with 
The LED is not illuminating and device doesn't work in either converter or vehicle.	Bad Fuse.  Not inserted all the way.  12V accessory plug may be malfunctioning.	Change Fuse (Directions below)  Make sure the converter is firmly pushed into the accessory outlet.  Plug in a different device. If no results, then check outlet for debris and then check fuse.
Damaged Cords  Inverter may be defective.		Please take to a qualified service technician. Never use if cord is damaged.  Call 1-800-SEARS-64 for troubleshooting assistance.

### 9.1 Changing the Fuse in the Universal Power and Adapter Kit:

- Make sure there are not any loads connected to the Universal Power and Adapter Kit.
- Unscrew the head. Be careful not to lose the tab and spring.
- Turn the Universal Power and Adapter Kit upside down and let the fuse fall in your hand.
- Replace new fuse and reverse directions. Twist the head on finger tight. Be sure not to overtighten because it may cause damage to the converter.





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