

# Kensington®

## READ FIRST!

### 120 Watt Universal DC Power Adapter User Manual

---



## Congratulations!

Your new Kensington 120 Watt Universal DC Power Adapter is a highly efficient, one-adapter power solution for your digital devices. With the Adapter, you have the flexibility of powering and charging your digital device from a cigarette lighter or an airline Empower® outlet.

The Adapter powers and charges both the newest notebooks and older legacy notebooks.

The Adapter delivers the correct amount of power to each digital device through a patented, interchangeable tip called SmartTip.™ SmartTips are required and sold separately. See [www.kensington.com](http://www.kensington.com) for more information on which SmartTips are needed for your digital devices. Purchasing additional SmartTips allow you to power and charge your digital devices such as notebooks, iPods, MP3 music players, cell phones, DVD players, PDAs, and etc.

To simultaneously power and charge your notebook and other digital devices use our Dual Charging Cable for Kensington Universal Power Adapters — sold separately.

Please read this short manual to learn valuable information about the proper use and installation of your Adapter. Register your new Adapter online at [www.kensington.com/register](http://www.kensington.com/register).

## Important: Safety Information



**Warning:** This manual contains important safety and operating instructions for your Adapter. Please carefully read this section to reduce the risk of injury, and pay attention to the following:

- Only use recommended SmartTips and contents of this package. Otherwise, there is a risk of fire, injury to persons, or damage to personal property.
- This Adapter is suitable only for mobile electronic digital devices. Otherwise, there is a risk of electrical shock or damage to this unit or related products.
- SmartTips are uniquely designed. If a tip does not fit in the appropriate socket, this indicates that a mismatch has occurred. Please refer to the SmartTip compatibility chart at [www.kensington.com](http://www.kensington.com) to select the correct tip for your digital device.



**Do not force the SmartTip into your digital device, it can damage the Adapter and the digital device.**

- Do not open the Adapter or make any attempt to disassemble or modify it. Doing so could result in risk of injury to persons, or damage to property.

## General: Safety Information



**Warning:** Failure to read and follow the safety instructions in this User Manual before using and installing your Adapter could result in serious or fatal injury or property damage.

- Your Adapter is not a toy. Keep it away from children. Make sure that all persons who operate your Adapter read and follow this User Manual.
- Your Adapter should only be used with Kensington approved accessories. Using your Adapter with non-approved accessories may result in serious or fatal injury or property damage.
- Never use your Adapter with a multi-output cigarette plug splitter or extender cable. These devices can cause your Adapter's cigarette input cable to become very hot and may result in serious or fatal injury or property damage.
- Never attempt to use your Adapter to power any device that require more than 120 Watts of peak input power.
- Your Adapter is suitable only for use with mobile electronic digital devices. Using your Adapter with other electronic devices may result in serious or fatal injury or property damage.
- To avoid potential property damage, disconnect input power to your Adapter when it is not in use. Do not leave your Adapter or any device operating unattended in a vehicle.
- Your Adapter may become hot during operation. To prevent serious or fatal injury or property damage provide adequate ventilation and refrain from placing items on or around your Adapter during operation.

- In order to disperse the heat generated while operating your Adapter, keep it well ventilated. While in use, maintain several inches around the top and sides of the Adapter. Never operate your Adapter inside a closed or confined space such as a glove compartment, console, or in the airline seat pocket.
- When operating your Adapter, regularly check that the input and output power cables are firmly connected. Loose power cables can generate harmful heat which can damage your Adapter or mobile electronic digital device.
- Avoid operating your Adapter near a heat source, heat vent, or in direct sunlight. Your Adapter should be used in temperatures between 50–80°F.
- Do not operate your Adapter near flammable materials or any locations which can accumulate flammable fumes.
- If you are running your vehicle's engine while stationary to power your mobile electronic digital device that you have connected to your Adapter, do so only in a well ventilated area, away from other enclosed areas. Automotive vehicles emit carbon monoxide which can cause death if the vehicle's engine is running in a garage or enclosed area, or near other enclosed areas.
- Keep your Adapter dry. Do not expose the Adapter to water, rain, or snow; if it gets wet or is exposed to moisture, wipe it dry immediately.
- If damage or wear to any component of your Adapter is observed, do not use your Adapter and never attempt to repair it yourself. Return it to the place of purchase or have it repaired by a qualified technician.
- Do not modify or tamper with your Adapter's external or internal components. Doing so could result in serious or fatal injury or property damage. It may also invalidate your Adapter's warranty.

## Features

The Adapter offers many features:

1. One-adapter power solution for your digital needs
2. Compatible with most major notebooks and digital devices
3. Efficient power — providing up to 120W of peak power
4. Safety features include: over voltage, temperature and short circuit protection
5. Compact and lightweight — your mobile power needs in one slim package

## Technical Specifications

|                        |                            |
|------------------------|----------------------------|
| Input voltage:         | 12 to 16 Volts DC          |
| Output voltage:        | 0 to 24 Volts DC           |
| Output current:        | 6 Amps maximum             |
| Output power:          | Up to 120 Watts            |
| Unit dimensions:       | 3.7" L x 2.06" W x 0.61" H |
| Weight:                | 2.6 Ounces                 |
| DC input cable:        | 18"                        |
| DC power output cable: | 3'                         |

## Contents

- Adapter
- Adapter input and output cables
- User Manual
- Travel bag

This Adapter has a shorter input cable that connects to a cigarette lighter socket. The longer cable connects to your digital device.

## Using your Adapter

Once connected, your battery will automatically charge regardless of whether your digital device is turned on or off.

---

**NOTE:** We recommend that you use the Adapter only with batteries (for your notebook and digital device) that meet or exceed the original manufacture's specifications.

---



**CAUTION:** Like the power adapter that originally came with your digital device, the Adapter may get warm to the touch during use. This is normal. Avoid placing the Adapter in direct sunlight or next to heat sensitive materials.

---

## Purchasing the Proper SmartTip for your Digital Device

Make sure you purchase the right SmartTip for your digital device by going to [www.kensington.com](http://www.kensington.com) or your closest retail store.



**WARNING:** Never use a SmartTip that is not compatible with the device you are powering. Adapter SmartTips are uniquely designed. If a SmartTip does not fit into your notebook or mobile electronic digital device, this indicates that you are using the wrong tip. Please refer to the SmartTips compatibility chart at [www.kensington.com](http://www.kensington.com) to select the correct tip for your notebook or mobile electronic digital device. Forcing a SmartTip into your notebook or mobile electronic digital device can result in property damage to your Adapter, notebook or mobile electronic digital device.

After you have purchased the SmartTip that matches your digital device you're ready to be connected.

Your SmartTips and Adapter power cords are color coded for your convenience. The following indicate the product category by color:

Green = Notebooks (high-power)

Yellow = Entertainment devices such as iPods, MP3 music players, and portable DVDs (mid-power)

Blue = PDAs, portable gaming devices, cell phones, cameras, and camcorders (low-power)

### SmartTip Label

C — Camera, Camcorder

D — DVD player

G — Portable gaming device

J — MP3 music player

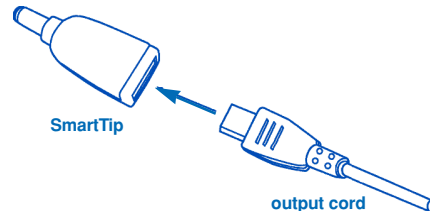
M — Cell phone

N — Notebook

P — PDA

## Getting Connected

1. Connect the correct SmartTip to the Adapter output cord.



2. Insert the Adapter output cord into the device's power socket.
3. Follow the instructions on the following pages to connect to a cigarette lighter or an airline Empower outlet.

## Auto Connection

The Universal DC Power Adapter's auto connector can be used in any vehicle with a 12V DC cigarette lighter socket, such as a car, truck, boat, or an airplane equipped with this type of power socket. Make sure both the auto connector and the cigarette lighter socket are clean and dry.



**WARNING:** Never jump start your vehicle with your Adapter connected to the vehicle's cigarette lighter socket. Many jump start systems use extremely high voltages that can damage your Adapter circuitry.

1. Remove the vehicle's cigarette lighter from its socket.



**WARNING:** A cigarette lighter could be hot and burn your skin or flammable materials. Allow the lighter to cool completely before storing it.

2. Insert your Adapter's auto connector into the cigarette lighter socket.
3. If power to the cigarette lighter socket is not already on, remove the Adapter from the socket and start the vehicle's engine. Then repeat step 2. The Adapter's status light glows green when powered.
4. Connect the appropriate SmartTip to the Adapter output cable and plug it into your digital device.

The digital device's battery will start to charge. Turn on and use your digital device.

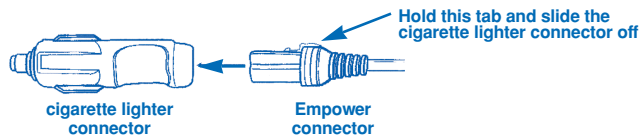
**NOTE:** Using a dirty cigarette socket or auto connector might cause your vehicle's battery to discharge a lower voltage incapable of powering your adapter. If your Adapter does not turn on, its status light does not glow green, unplug it from the cigarette lighter socket and make sure both the socket and auto connector are clean and dry before reconnecting.

**NOTE:** When your vehicle's engine is off, most vehicle batteries will provide ample power supply to your Adapter for one to two hours. The actual length of time is a function of several variables which include the age and condition of the vehicle's battery, and the power demand being placed on the vehicle's battery by the digital device that is being powered.

## Air Connection

If the airline that you are traveling on provides a compatible airline in-seat power source you can use your Adapter to power your notebook or mobile electronic digital devices.

1. Remove the cigarette lighter connector to reveal the airline Empower connector: hold the tab at the base of the connectors to slide the cigarette lighter connector off.



2. Insert the Adapter's Empower connector into the in-seat power socket, usually found on the arm of your seat or under the seat. The Adapter's status light glows green when powered.
3. Connect the appropriate SmartTip to the Adapter output cable and plug it into the digital device.

The digital device's battery will start to charge. Turn on and use your digital device, per airline guidelines.

## Technical Support

Technical support is available to all registered users of Kensington products. There is no charge for technical support except long distance charges where applicable. Technical Support Contact information can be found on the last page of this manual.

## Technical Support Tips

- You may find the answer to your problem in the Frequently Asked Questions (FAQ) section of the Support area on the Kensington Website: [www.kensington.com](http://www.kensington.com).
- Call from a telephone where you have access to your notebook, or other digital device
- Be prepared to provide the following information:
  - Name, address, and telephone number
  - The name of the Kensington product
  - Make and model of your notebook, or other digital device
  - Your system software and version (where applicable)
  - Symptoms of the problem and what led to them

## 1-Year Limited Warranty

KENSINGTON TECHNOLOGY GROUP (“KENSINGTON”) warrants the PRODUCT 38007 DC Power Adapter against defects in material and workmanship under normal use and service for one year from the original date of purchase. KENSINGTON, at its option, shall repair or replace the defective unit covered by this warranty. Please retain the dated sales receipt as evidence of the date of purchase. You will need it for any warranty service. In order to keep this warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying this warranty. This warranty does not cover any damage due to accident, misuse, abuse, or negligence.

### DISCLAIMER OF WARRANTY

The limited warranty described herein is your sole remedy. To the extent permitted by law, Kensington disclaims all other implied or express warranties of merchantability and/or fitness for a particular purpose.

### LIMITATION OF LIABILITY

Except to the extent of repairing or replacing the Adapter as expressly stated in the limited warranty described herein, Kensington shall not be liable for any damages, whether direct, indirect, incidental, special, and consequential, exemplary, or otherwise, including lost revenues, lost profits, loss of use of software, loss recovery of data, rental of replacement equipment, downtime, damage to property, and third-party claims, arising out of any theory of recovery, including statutory, contract or tort. Notwithstanding the term of any limited or implied warranty, or in the event that any limited warranty fails of its essential purpose, in no event will Kensington's entire liability exceed the purchase price of this product. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province.

## Federal Communications Commission Radio Frequency Interference Statement

Note: The Adapter has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that the interference will not occur in a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**MODIFICATIONS:** Modifications not expressly approved by Kensington may void the user's authority to operate the device under FCC regulations and must not be made.

**SHIELDED CABLES:** In order to meet FCC requirements, all connections to equipment using a Kensington input device should be made using only the shielded cable provided.

## Declaration of Conformity Compliance Statement for the Adapter

The Adapter complies with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference, and, (2) this device must accept any interference received, including interference that may cause undesired operation. As defined in Section 2.909 of the FCC Rules, the responsible party for this device is Kensington Technology Group, 333 Twin Dolphin Drive, Sixth Floor, Redwood Shores, CA 94065, USA, (800) 535-4242.



## Contacting Kensington

Troubleshooting information and answers to frequently asked

questions are available 24 hours a day on the Kensington Website at

[www.support.kensington.com](http://www.support.kensington.com).

## Support by Telephone

Technical Support is available by telephone.

Please visit [www.kensington.com](http://www.kensington.com) for hours.

U.S. and Canada 800-535-4242

Mexico 52(55)5384-0620



Kensington Technology Group  
333 Twin Dolphin Drive  
Sixth Floor  
Redwood Shores, CA 94065  
USA

ACCO Europe PLC  
Gatehouse Road  
Aylesbury  
Bucks, HP19 8DT  
UNITED KINGDOM

ACCO Canada Inc.  
5 Precidio Court  
Brampton, Ontario L6S 6B7  
CANADA

[www.kensington.com](http://www.kensington.com)

This manual is copyright © 2005 Kensington Technology Group, a division of ACCO Brands, Inc. Any unauthorized copying, duplicating, or other reproduction of the contents hereof is prohibited without written consent from Kensington Technology Group. All rights reserved. 5/05

Kensington is a registered US trademark of ACCO World Corporation with issued registrations and pending applications in other countries throughout the world. SmartTip is a trademark of Comarco Wireless Technologies Inc. Apple and iPod are registered trademarks of Apple Computer, Inc. All other registered and unregistered trademarks are the sole property of their respective owners. Protected under US Patent 5,838,554; 6,091,611; 6,172,884; 6,266,261; 6,693,413; 6,707,284; 6,831,848. Other US and Foreign Patents Pending



VCCI RTCA DO-160D

901-1652-01