minigorilla

minigorilla

10.5v

powertraveller

Introducing minigorilla

Thank you for purchasing the **minigorilla**.

The **minigorilla** is the portable charger to keep your Netbook powered for hours and hours.

Robust and rechargeable, your **minigorilla** has been specifically designed to work with the latest Netbooks but will also charge many other digital devices too.

Slimline, lightweight and compact, it is the ideal travel companion to keep you fully powered at all times.

Roam wild...
With pocket power for your Netbook
www.**powertraveller**.com

minigorilla features

• **Small & compact**
  Weighing only 265g the **minigorilla** is light to carry with no need to carry extra batteries.

• **Convenience**
  Power up whenever, wherever. The **minigorilla** will give you up to an extra 6 hours power depending on your device.

• **Compatibility**
  The **minigorilla** is compatible with many devices making it a truly universal power solution.

• **Variable voltage**
  With one-touch button operation your **minigorilla** is compatible with many devices and Netbooks.

• **Compact & stylish design**
  Sleek rubberised plastic casing with shock resistant rubber protection strips.

• **Safety**
  minigorilla's many safety features include Voltage limitation, Current limitation, Short circuit, Anti over-discharge, Over charging and Over-heat protection.

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Technical terms

minigorilla	Portable rechargeable battery pack
Hi-Density Lithium Polymer Battery	The high energy rechargeable battery inside the **minigorilla** unit
'Gorilla Nuts' – Tip Pack One	Powertraveller's brand name for the connector tips for Netbooks
'Monkey Nuts' – Tip Pack Two	Powertraveller's brand name for the connector tips for all other devices
IN	Direct current – powering a device via the transformer
OUT	Direct current – power coming from a device i.e. when the **minigorilla** is charging a device i.e. mobile / cell phone it is 'taking' power
mAh	A milliampere hour is a unit of electrical charge per hour
V/volt	Measurement of power needed to power a device e.g. a Netbook may require 12volts or 19volts
USB	Universal Serial Bus. For many devices the USB has become the standard connection method. USB uses standard 5 volts output
Apple MagSafe Airline Adaptor NB: Please note the MagSafe adaptor is not supplied in the **minigorilla** pack and can be purchased from	Apple's magnetic tip connector specifically designed / used for all the MacBook/ MacBook Pro/MacBook Air. The magsafe is magnetically held in place, as a result if tugged or tripped over it comes out of the socket safely avoiding damage.

www.apple.com

Output	Term denoting power leaving a device
Input	Term denoting power entering a device
MP3/MP4 player	Device used for storing digital audio (MP3) and digital video (MP4)
iPod iPod is a trademark of Apple Inc., registered in the US and other countries	Brand of portable media players designed and marketed by Apple
Current limitation protection	When the **minigorilla** is fully charged it will automatically switch off
Short circuit protection	If earth / leakage is detected and a possible short is detected the **minigorilla** will auto shut down
Anti-discharging protection	When the **minigorilla** is connected to a device it will not allow the device to discharge power in a reverse direction
Voltage limitation protection	A design to automatically maintain a constant voltage level
Over-heat protection	A design feature to prevent the **minigorilla** over heating

Product contents

Listed below are the contents of the **minigorilla** pack.
Please check and familiarise yourself with the corresponding list and diagrams before using the **minigorilla.**

- 1 x **minigorilla** rechargeable battery pack **(1)**.

- 1 x black neoprene zip case with internal cable storage pocket **(2)**.

- 1 x AC transformer (9v) with 4 interchangeable country specific connector head for UK, US/Japan/China, Australia and Europe **(3)**.

- Tip Pack One for Netbooks – also called 'Gorilla Nuts' **(4)**
  Includes 11 tips: each suitable for different Netbooks. Each tip is named and can connect to the 80cm connection cable included.
  (Please see compatibility chart on page 13).

- Tip pack Two for mobile / cell phones – also called 'Monkey Nuts' **(5)**.
  Includes 8 tips: each suitable for different mobile/cell phones and other digital devices. Each tip is labelled on the pack. Also included a USB retractable cable with DC3.5 tip.

- Quick start guide and DSWF (David Shepherd Wildlife foundation www.davidshepherd.org) information fact sheet on Gorillas and their conservation.

- User manual.

- Warranty card.

- Product disposal instructions.

minigorilla product compatibility

- The following devices are all compatible with the **minigorilla.**

  Netbook / Apple MacBook Air*
  ***via Magsafe cable not supplied in the minigorilla pack**

  Some digital cameras and camcorders

  Sat navs/GPS/Radio receivers

  Apple iPod series (not firewire version), iPhone (using the sync cable supplied with your Apple device)

  Sony PSP

  MP3/MP4

  Mobiles/Cell phones

  Powertraveller's movietraveller/portable DVD players

- If you use **minigorilla** with other devices not mentioned above – please tell us! We welcome customer's feedback on further compatibility.

Using minigorilla

Unpack all contents of box and familiarise yourself with each item - refer to the Product contents section on page 6. It is important that you read steps 1 to 6 before using the **minigorilla**.

Step 1 Turning ON/OFF (Fig A)
- Press the black ON/OFF button on the **minigorilla** for 5 seconds to activate.
- Once activated the blue LCD screen will illuminate.
- If not in use, after approximately 10 seconds the back light turns itself off. The **minigorilla** will shut down after 1 minute if not in use or device is fully charged.
- Hold the ON / OFF button to reactivate.
- To turn the **minigorilla** off press the ON / OFF button for 5 seconds.

Step 2 Set up (Fig B)
- Connect the AC/mains adaptor **(1)** to the correct interchangeable mains head **(2)** for the appropriate AC/mains socket e.g. UK head for UK AC/mains socket
- Plug into mains socket and the IN **(3)** on the **minigorilla.**
- Remove connection cable from Tip Pack One and select the tip that is compatible with your Netbook. (Please refer to the Compatibility chart on page 13).

Step 3. Selecting the correct voltage to power your Netbook
Before plugging in your Netbook to the **minigorilla** please check the voltage it requires.
This can be found on the transformer of the AC adaptor supplied with your Netbook or in your Netbook's user guide.

Look for O/P: DC 16V – voltage required is 16V

- Turn the **minigorilla** on.
- Lightly press the same button again to cycle through the voltage options to match your devices requirements.
- The choices are 8.4v, 9.5v, 10.5v, 12v or 19v.
- The **minigorilla** will auto save your chosen voltage ready for next time.
- Connect the connection cable to the appropriate tip and insert into your device as shown **(4)**.
- Insert the other end of cable into the OUT of the **minigorilla (5)**.

IMPORTANT: Only use Powertraveller's approved AC adaptor for **minigorilla** and never use **minigorilla**'s AC adaptor on any Netbook.

Always disconnect AC/Mains charger when **minigorilla** is fully charged or not in use.

Note: Some Netbook LCD screens may flicker while the **minigorilla** is connected. This is because the power rating for the **minigorilla** is lower than the Netbook. You may need to change the brightness settings on your Netbook or turn the Netbook off. This will enable the **minigorilla** to charge the Netbook.
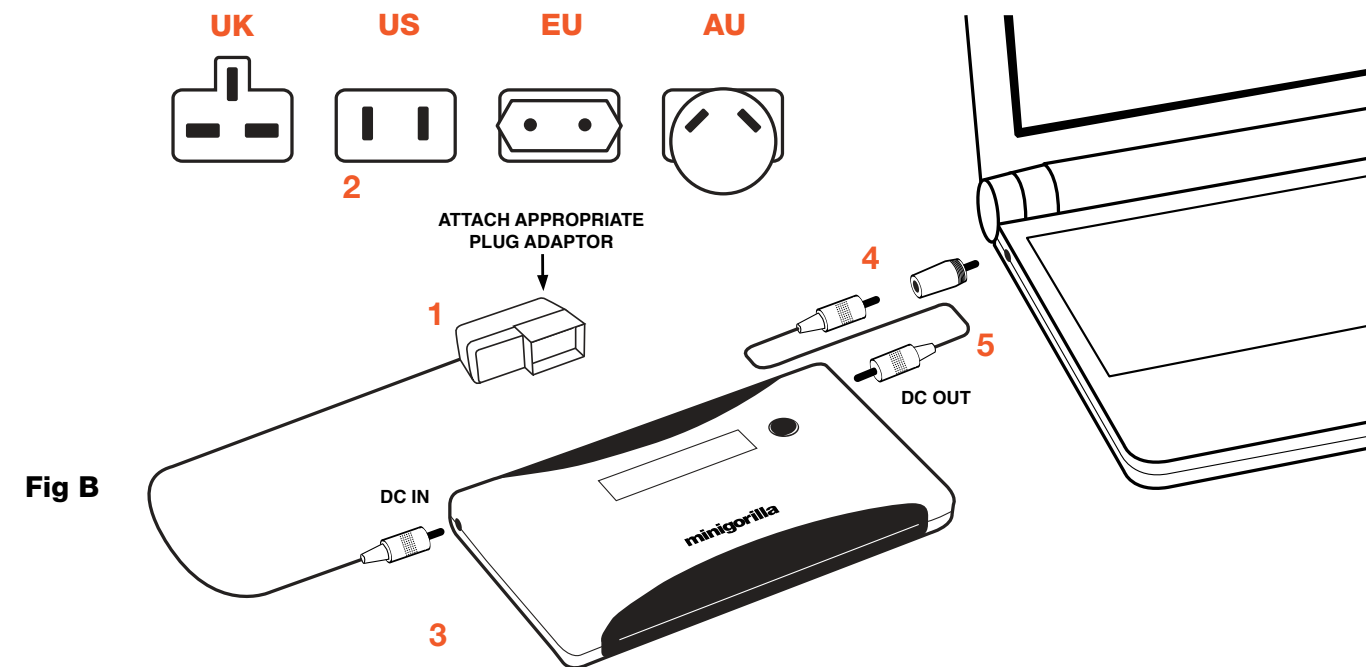
8

Fig A

2   10.5v   1

minigorilla

UK   **US**   **EU**   **AU**

2

ATTACH APPROPRIATE PLUG ADAPTOR

1

4

5

DC OUT

Fig B

DC IN

3

minigorilla

9

Step 4 Charging other digital devices (Fig C)
The **minigorilla** will also power your iPod, PDA, MP3/MP4's, hand held gaming devices, sat nav's, mobile / cell phones and many other devices using the USB port.

• Turn unit on via the ON/OFF black button **(1)**.
• Select the retractable USB tip **(2)** from Tip Pack Two.
• Insert the USB into the USB port **(3)** of the **minigorilla**.
• Select and connect the appropriate tip from Tip Pack Two for your device **(4)**.
• Apple iPod series, including Nano, iPod Classic, iPhone, iPod Touch – charge by using the white sync cable supplied with your Apple device (not firewire version).
• The **minigorilla** will stop charging when the device if fully charged.
• You can charge the minigorilla and devices via the 5v USB port simultaneously.

NOTE: The USB port does not have a switchable voltage – therefore you don't need to select the correct voltage as the **minigorilla** will automatically recognize the standard USB 5 volt.

Step 5 Checking the charge levels

• The level of charge remaining in your **minigorilla** is clearly shown by the 6 vertical bars in the right hand corner of the blue LCD screen.
• When the 6 vertical bar is down to 1, the battery symbol in the bottom left corner flashes, this indicates charging is required.

Step 6 Recharging the minigorilla
You can recharge the **minigorilla** via two sources: Only use the AC/Mains supplied with the **minigorilla** or the solar power.

AC/mains (Fig B)
• Use the AC charger supplied to recharge the **minigorilla.**
• Plug the AC charger into the IN socket of the **minigorilla.**
• The **minigorilla** charges fully in approximately 5 - 6 hours.
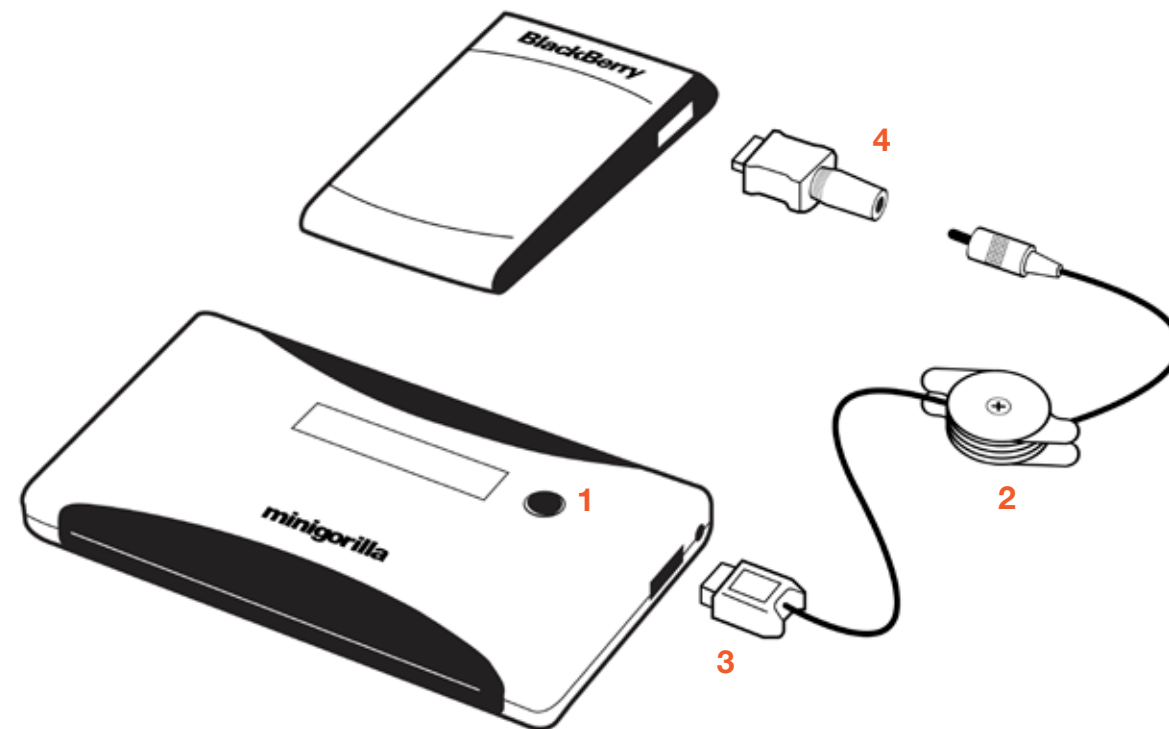• The **minigorilla** will auto turn off when fully charged.

Solar Power
• The **minigorilla** will also be able to be charged via the sun using the **solargorilla** (not included).
• Select L52D tip for the **minigorilla** and connect it to the solar panel with the 2m charging cable supplied with the **solargorilla**.
• For further information on the **solargorilla** please visit **www.powertraveller.com**

solargorilla charging **minigorilla**

Fig C

minigorilla tips

Step 1

Tip pack 1   Tip pack 2

- The **minigorilla** connector tips are connectors to make different devices compatible with **minigorilla.**

- There are two packs included with your **minigorilla**: Tip pack 1 & Tip pack 2.

- You need to select the correct connector tip for the appropriate device.

- All connector tips are clearly marked.

Tip pack 1 ("Gorilla Nuts")

- The tips for Netbooks are in Tip Pack One and are named on the tip. This pack includes 11 tips.

- These tips are only to be inserted into the power IN socket on your Netbook.

Tip pack 2 ("Monkey Nuts")

- The tips for all other devices such as mobile/cell phones and some digital cameras are in Tip Pack Two and named on the pack.

- All tips in this pack must be connected to the retractable USB cable (also in the same pack) and inserted into the USB port of the **minigorilla.**

Step 2 How do I choose the correct tip for my device?

- Please refer to the list on the opposite page to choose the corresponding connector tip. Alternatively, please refer to the compatibility chart found on **www.powertraveller.com**

Step 3 How do I connect the connection tip to the power cable?

- Connect the correct connection tip to the universal power adaptor output cable as shown in the image below.

Compatibility chart

Tip pack 1 – 'Gorilla Nuts' for Netbook

Tip	Specification	Compatible Netbooks
L01D	4.75 x 1.7mm	ASUS, Compaq, HP, ASUS EeePC
L51D	5.5 x 1.7mm	Acer, Winbook
L52D	5.5 x 2.1mm	ASUS, Compaq, HP
L53D	5.5 x 2.5mm	ASUS, Compaq, HP, Gateway, IBM, LENOVO, Fujitsu, NEC, Olivetti, Toshiba, BENQ JOYbook LITE U101
L54D	6.5 x 4.5mm	Fujitsu, Panasonic, Samsung, SONY
L55D	6.3 x 3.0mm	Toshiba
L61D	7.4 x 0.65mm	DELL (power only)
L72D	4.0 x 1.7mm	HP
L73D	5.5 x 3.3mm	SONY VGN series, Samsung
L74D	3.5 x 1.35mm (red)	HP mini, GPS Navigator
L75D	5.5 x 1.9mm	ASUS, Lenovo, BENQ, Acer One
Magsafe – Can be purchased from www.apple.com		MacBook Air

IMPORTANT: Please confirm voltage selection by referring to your Netbook user manual.

Tip pack 2 – 'Monkey Nuts' for mobile phones and other digital devices

Labelled Name	Compatibility
DC2.0	Nokia series
PSP (DC4.0)	Sony PSP and some digital cameras
LG	LG Chocolate
Mini USB	Motorola Razr V series, Blackberrys & Bluetooth headsets
DS Lite	Nintendo DS Lite
G600	Samsung
K750i	Sony Ericsson wide connector
Micro USB	Latest Motorola & Nokia series
Retractable USB cable (DC3.5 x 1.1)	USB port (not labelled)

NOTE: The most popular connector tips are included in the minigorilla pack. To purchase more connector tips or for help to find the right tips – please visit **www.powertraveller.com**

Specifications

Parameters	Description
Weight	265g
Material	Laser-etched rubber coated housing with shock resistant rubber protection strips
Dimensions	150mm x 83mm x 14mm
Output	8.4v, 9.5v, 10.5v, 12v, 19v & USB 5v
Operating temperatures	Between 0ºC - 40ºC
Colour	Graphite grey
Protections	Voltage Limitation, Current limitation, Short Circuit, Anti over-discharge, Over charging, Over-heat protection
Charging options	**minigorilla**'s AC/mains or solargorilla (not included)

Output capacity & current

Output Capacity: Amount of times the minigorilla will charge a device
6,000 mAh in 5v mode
4,000 mAh in 8.4v mode
3,500 mAh in 9.5v mode
3,200 mAh in 10.5v mode
2,800 mAh in 12v mode
2000mAh in 19v mode

Output Current: Amount of time taken to fully charge a device
5v = 700mAh output current
8.4v = 3A max output current
9.5v = 3A max output current
10.5v = 3A max output current
12v = 3A max output current
19v = 1.5A max output current

Approval certifications

CE FC RoHS✔

AC transformer:

CE FC RoHS✔

Compliance with :

EN60950-1:2006

EN60950-1/A11:2004

EN60950-1:2005

EN60065/A1:2006

EN55022:2006

EN55022/A2:2003

UL60950-1

EN61000-3-2:2006

EN61000-3-3:1995+A1+A2

EN55024:1998+A1+A2

FCC Part 15:2007

ICES-003:2004

AS/NZS60950.1:2003

Product disposal instructions

The symbol shown here and on the product means that the product is classed as Electrical or Electronic Equipment and should not be disposed with other household or commercial waste at the end of its working life.

The Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC) has been put in place to recycle products using best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid the increasing landfill.

Product disposal instructions for residential users
When you have no further use for it, please remove any batteries and dispose of them and the product as per your local authority's recycling processes. For more information, please contact your local authority or the retailer where the product was purchased.

Product disposal instructions for business users
Business users should contact their suppliers and check the terms and conditions of the purchase contract and ensure that this product is not mixed with other commercial waste for disposal.

Troubleshooting (Questions and Answers)

Q. Can I use the **minigorilla** straight away without charging?
A. Yes, the **minigorilla** comes 60% pre charged so is 'ready to use out of the box'.

Q. What are connector tips?
A. Connector tips are attachments to make the **minigorilla** compatible with various devices.

Q. What if I can't find the right tip?
A. Please refer to **www.powertraveller.com**

Q. Why does the **minigorilla** auto shut down?
A. This can be for various reasons:
1. Device is fully charged or **minigorilla** not in use.
2. The **minigorilla** has run out of power and needs recharging.
3. The **minigorilla** has detected one of the safety features.

Q. I have a Mac laptop/notebook. Is it compatible with the **minigorilla**?
A: Yes, providing you have a MagSafe connector.

Q. I have a MacBook Air. Is it compatible with the **minigorilla**?
A. Yes, providing you have a MagSafe Airline Adaptor. (Select 19v)

Q. Where can I buy a MagSafe Airline Adaptor?
A. **www.apple.com**

Q: I have a MacBook Air. Is it compatible with the **minigorilla**?
A: Yes, providing you have a Magsafe Airline Adaptor. Select 16v on the **minigorilla** – if the LCD screen flickers on the **minigorilla**, please switch off and reselect 19v.
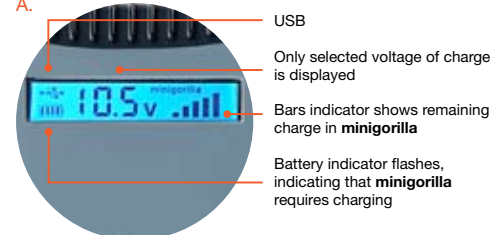
Q. Can I use my device while charging the **minigorilla**?
A The AC charger supplied with the **minigorilla** is 9v. You can simultaneously charge the **minigorilla** and your device from the mains as long as your device will accept 9v. **minigorilla** may shut down if it detects voltage incompatibility. However, charging the **minigorilla** and other devices via the 5v USB port – mobile, iPod, MP3/MP4 etc – is possible.

Q. How much extra time will the **minigorilla** give me on my netbook?
A. **minigorilla** can add up to 6 hours of power to your netbook (depending on netbook specification)

Q. How long does it take to charge the **minigorilla**?
A. Between 5 – 6 hours.

Q. Can I charge the **minigorilla** via the USB?
A. No, the USB uses a standard 5v which is not sufficient to power or charge the **minigorilla.**

Q. What do the symbols on the LCD screen mean?
A.

USB

Only selected voltage of charge is displayed

Bars indicator shows remaining charge in **minigorilla**

Battery indicator flashes, indicating that **minigorilla** requires charging

Q. Does the **minigorilla** automatically recognise the voltage my device requires?
A. No, you have to select the correct voltage before connecting and turning your netbook on. The **minigorilla** will remember the voltage that was last selected though.

Q. How do I know what voltage my device requires to make it compatible with the **minigorilla**?
A. This can be found on the transformer of the AC adaptor supplied with your netbook or in your netbook/device's user guide.

Q. What happens if I select the incorrect voltage?
A. The **minigorilla** will not work to its optimum performance and the device may be damaged.

Q. I have heard of the **solargorilla**. What is the **solargorilla**?
A. The solargorilla is a powerful solar panel capable of charging the **minigorilla** and other devices. Perfect for life on the go! For further information and to purchase please refer to **www.powertravaller.com**

If you have any further queries that are not covered in this manual, please email us at: **info@powertraveller.com**

Important general information

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

1. Please follow the procedures from the User Manual when setting up the device.

2. The **minigorilla** is suitable for Netbooks, some digital cameras, iPods, MP3/MP4's, hand held gaming devices, mobile/cell phones, PDA's, satellite navigators and other digital devices. Please refer to **www.powertraveller.com** for an updated list of devices.

3. Only use the **minigorilla** authentic tips provided in the pack. Using other manufactures accessories may result in the risk of fire or damage to the unit or associated products. To purchase connector tips, should you loose / damage the ones provided please visit **www.powertraveller.com**

4. The tips are uniquely designed. If a tip does not fit in the appropriate socket, then this indicates that a mismatch has occurred. Please refer to the User Manual.
Do not force the tip into the Netbook as it may damage both the power adaptor and Netbook.

5. Do not open the device or make any attempt to disassemble or modify the device, as this will invalidate the warranty / guarantee. This may also result in the risk of fire, personal injury, or damage to personal property.

Important safety precautions

Although the product incorporates a multiple-protection circuit, to be absolutely certain of its safe use, please note the following:

1. Avoid placing product in direct sunlight. Avoid operating in an environment exceeding 40º to prevent activation of the temperature shut down protection circuit.

2. Avoid operating in temperatures below 0º to prevent the power supply efficiency from declining.

3. Avoid operating in wet / high moisture conditions.

4. The **minigorilla** has been designed to lift the underbody 1mm from the surface and drop the top 1mm to assist with temperature control. For optimal temperature regulation and for personal safety do not cover or smother the **minigorilla.**

5. Fully remove from the neoprene zip case before using.

6. Do not operate this power adaptor with damaged input or output cords or plugs.

7. Do not open the device or make any attempt to disassemble or modify the device as this will invalidate the warranty. This may also result in the risk of fire, personal injury or damage to personal property. Please refer to the user guide for full operating instructions.

8. The warranty will be invalidated if the product is damaged due to water / liquid, fire or hard impact.

9. Keep out of the reach of children at all times. Small parts can cause choking if swallowed.

10. Please complete the enclosed warranty form and return to Powertraveller. We cannot accept any responsibility for warranty's not returned.

11. The information contained in this user manual is, to the best of our knowledge, true and accurate at the time of publication and is provided for information purposes only. Powertraveller accepts no liability for any loss or damage arising as a result of use or reliance on this information.

minigorilla

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