



# **Specifications**

The information in this appendix may be helpful if you plan to use or transport the notebook internationally or in extreme environments.

## **Notebook Dimensions**

Dimension	U.S.	Metric	
Height	1.24 inches	3.15 cm	
Width	14.06 inches	35.7 cm	
Depth	10 inches	25.4 cm	

## **Operating Environment**

Factor	U.S.	Metric
Temperature		
Operating	50° to 95° F	10° to 35° C
Nonoperating	-4° to 140° F	-20° to 60° C
Relative humidity (noncondensing)		
Operating	10% to 90%	10% to 90%
Nonoperating	5% to 95%	5% to 95%
Maximum altitude (unpressurized)		
Operating	10,000 ft	3,048 m
Nonoperating	30,000 ft	9,144 m

Startup and Reference Guide—Part 2

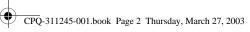
















**Specifications** 

## **Rated Input Power**

The notebook operates on DC power, which can be supplied by an AC or a DC power source. Although the notebook can be powered from a stand-alone DC power source, Compaq strongly recommends that the notebook be powered only with an AC adapter or DC cable supplied or approved by Compaq.

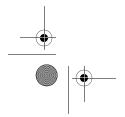
An AC adapter provided by Compaq for use with this notebook is capable of accepting AC power within the following specifications:

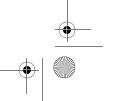
Input Power	Rating
Operating voltage	100-240V AC @1.7A - 50-60Hz
Operating current	1.5A rms
Operating frequency range	50 to 60Hz

The notebook is capable of accepting DC power within the following specifications:

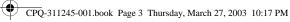
Input Power	Rating
Operating voltage	18.5V DC @3.5A- 65W
Operating current	4.9A

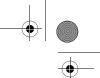
This product is designed for IT power systems in Norway with phase-to-phase voltage not exceeding 240 Vrms.













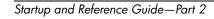
## **Finding More Environmental** Information

The specifications in this appendix contain information about exposing the notebook to environmental extremes.

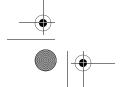
- For similar information about storing battery packs, see the "Storing a Battery Pack" section in Chapter 4.
- For information about exposing the notebook to sunlight, ultraviolet light, x-rays, or magnetic fields, refer on the Documentation Library CD to the Maintenance, Shipping and Travel guide.









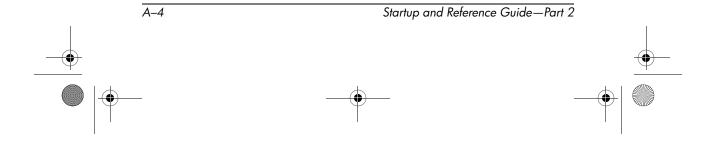
















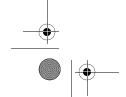


#### 1394 connector 2-9 В backup, system 9-7 battery bay AC adapter 4-11 identifying 2–13 connecting 1-5, 4-11 inserting battery pack 1–3 disconnecting 4-11 removing battery pack 4–18 identifying 2–17 battery light 2–6 power connector 2–12 battery pack AC power 1–12, 4–11 calibrating 4–14 adapter causing CD or DVD write AC 1-5, 2-17, 4-11 corruption 6-10 country-specific modem 2–17, charging 1-2, 1-6, 4-11 7-3, 7-5 inserting 1–3 Japan-specific outlet 2–17 monitoring charge 4–12 Agere modem AT commands 7–9 removing 4–18 airport security devices 5–3 storing 4-16 altitude specifications A–1 when to remove 4–3 antivirus software 1–11 battery power applications key 2–4 conserving 4-17 applications. See software; low-battery conditions 4–13 software updates running notebook on 4-11 AT commands 2–18, 7–9 switching to and from 4-11 audio CD. See CD(s) when to use 1-11, 4-4audio-out jack BIOS (basic input output system) connecting 6-4 9 - 2

Startup and Reference Guide

identifying 2–8

AutoPlay 5-8





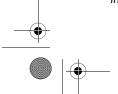








```
boot order 5-10
                                       playing, with WinDVD 6-7
button(s)
                                       speed 6-10
   PC Card eject 2-11, 8-6
                                       starting from 5-10
   power 2–5
                                       See also drive media
   TouchPad 2-3, 3-2
                                    Certificate of Authenticity label
   volume 2-7, 6-2
                                      2–15, 9–9
   wireless device 2-8
                                    commands, AT 2-18, 7-9
   See also key; latch; switch,
                                    Compaq Support Software CD
    display
                                    compartment, memory 2-13, 8-10
C
                                    connector(s)
cable
                                       1394 2-9
   AC adapter 1-5
                                       docking 2-14
   audio 6–5
                                       drive 5–3
   DC 2-12
                                       external monitor 2-9
   modem 2–9, 2–16, 7–2
                                       infrared port 2–12, 7–13
   network 2-16, 7-11
                                       modem 2–9, 7–3
   S-Video 6-5
                                       network 2-9, 7-10
   See also cord, power
                                       parallel 2–9
cable lock, connecting 8–16
                                       power 2–12
calibration, battery 4–14
                                       USB 2-9, 8-3
caps lock light 2-6
                                    conservation, power 4–17
card and socket services, PC Card
                                    cord, power
 8-4
                                       connecting 1–5
card. See memory, modules
                                       identifying 2–16
 supported; PC Card; SD Card
                                       surge protection 1–11
CD drive. See drives
                                       See also cable
CD(s)
                                    country-specific modem adapter
   CD-R vs. CD-RW 6-10
                                       connecting 7–5
   Compaq Support Software
                                       identifying 2–17
    9-13
                                       when to use 7-3
   copying 6–9
                                    critical low-battery condition 4–13
   creating 6–9
                                    currency formats, setting 1–10
   playing, with Windows Media
                                    customer support 2–18, 9–13
    Player 6–7
```





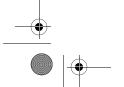






## D data compression algorithm 7–2 date, setting the 1–10 DC cable 1–8, 2–12 designation, drive 5–2 device drivers, reinstalling 9–10 dialing mode 7–7 dimensions, notebook A-1 disc, diskette. See drive media display release latch 2–2 display switch 2-5 function, changing 4–9 function, default 4-6 identifying 4–5 display, internal brightness 3–7 opening 1–4 switching image 3–6 docking connector, cover 2–14 drive designation 5–2 drive media affected by airport security 5–3 cancelling AutoPlay on 5-8 caring for 5–3 displaying contents of 5-8 inserting, removing CD or DVD 5-5 types and terms 5–2 drivers, reinstalling 9–10 drives adding to system 5-4 affected by airport security 5–3 avoiding Standby and Hibernation while using

```
inserting, removing media 5–5
   shipping 5–3
   starting from 5-10
   types and terms 5–2
   USB 8-3
   See also hard drive, internal
DVD drive. See drives
DVD(s)
   playing, with WinDVD 6-7
   region settings 6-8
   starting from 5-10
   See also drive media
E
Easy CD Creator
   CD Copier, when to use 6–9
   DirectCD, when to use 6–9
   features 6–9
   formats 6-11
   obtaining 6–9
   preparing to use 6–10
   prompt, UDF 6-10
   settings 6-11
   source drive vs. destination
    drive 6–10
eject button
   optical drive 5–6
   PC Card 8-6
electric shock warning 1–12
electrical storm, safety issues 1-11
electrostatic discharge (ESD) 5–3,
emergency shutdown procedures
 1-10, 4-6
enablers, PC Card 8-4
End User License Agreement 1–8
```





IDE drive light 5–4

optical 5–9

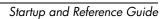






environmental specifications A-1	retaining screws 5-11, 5-14
error message	space on, required for
No Dial Tone 7–8	Hibernation file 8–10
Playback Of Content From This	See also drives
Region Not Permitted 6–7	headphones 6–4
ESD (electrostatic discharge) 5–3,	Help and Support window 3–6,
8–11	9–13
exhaust vent 2–10	Hibernation
external monitor	avoiding when playing media
connecting 8–2	5–9
connector 2–9	changing configuration during
switching image 3–6	4–2
F	controls and indicators 4-5
-	defined 4–2
fan, vents 2–10, 2–14	identifying 5–10
FCC notice 1–12	initiated during critical
FDD (floppy disk drive) 5–2	low-battery condition 4–13
flash memory card 8–7	initiating 2–5, 4–8
flash RAM card 8–7	resuming from 4–8
Fn key	setting preferences 4–9
changing Standby function 4–9	when to use 4–2
hotkeys function 3–4	hotkeys
identifying 2–4	changing function of Fn+F5
keypad functions 3–9	4–9
Standby function 4–5	identifying 3–4
video device function 6–6	procedures 3–5
function keys 2–4, 3–4	Quick Reference 3–5
Н	hotkeys commands
hard drive bay	access Help and Support 3–6
identifying 2–13	display brightness 3–7
replacing hard drive 5–10	initiate QuickLock 3–7
hard drive, internal	initiate Standby 3–6, 4–7
defined 5–2	media commands 3–7
displaying amount of free space	Open Internet Explorer 3–6
on 8–10	Quick Reference 3–5
replacing 5–10	switch image 3–6









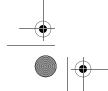








keypad 2–4, 3–8
Microsoft logo 2–4
num lock 3–9
See also button; latch; switch,
display
keyboard language 1–10
L
label
Microsoft Certificate of
Authenticity 2–15, 9–9
modem approvals 2–15
product identification 2–15
system 2–15
wireless certification 2–15
language
choosing during setup 1–8
selecting keyboard 1-10
latch
battery pack locking 4–19
battery pack release 2–13
display release 2–2
See also button; switch, display
light
battery 2–6
caps lock 2–6
IDE drive 5–4
num lock 3–9
power/standby 2–6
light(s) hard drive 2–6
mute 2–6
wireless device 2–6
line-out jack 2–8, 6–4
lock, security cable 8–16
· · · · · · · · · · · · · · · · · · ·









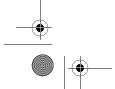


locked system Microsoft Certificate of Authenticity label 2–15 emergency shutdown Microsoft logo key 2-4 procedures 1-10, 4-6 locking latches, battery pack 4–19 mode, dialing 7–7 model, identifying notebook 9-2 lock-up, system 2–5 low-battery conditions modem identifying 4–13 approvals label 2–15 Lucent modem AT commands 7–9 cable 2–16 Lucent/Agere Command Set connecting 7–3 (Advanced Users Only) guide country configurations 7–6 2 - 18country-specific adapter 2-17 Lucent/Agere Command Set (Advanced Users Only) guide Maintenance, Shipping and Travel 2 - 18guide 2–18 Modem Command Guidelines media hotkeys 3–7 (Advanced Users Only) guide Media Player, Windows 6–7 2 - 18media, drive specifications 7–2 affected by airport security 5–3 speed 7-2 cancelling AutoPlay on 5-8 troubleshooting travel caring for 5–3 connections 7–7 displaying contents of 5–8 virus protection 1-11 inserting, removing CD or monitor, external DVD 5-5 connecting 8–2 types and terms 5–2 external monitor connector 2-9 See also drives switching display 3–6 memory mouse, external compartment 2-13 connecting 8-2 displaying amount of 8-10 USB connectors 2-9 increasing RAM 8–10 multimedia card 8–7 module, removing or inserting Ν network modules supported 8–10 microphone jack 2–8 cable 2-16 microphone, connecting 6-4, 8-2 connecting 7-11





RJ-45 jack 2–9





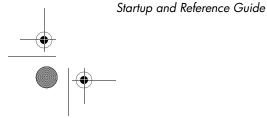








specifications 7–10 speed 7-10 PAL, PAL-M television formats No Dial Tone error message 7–8 6-6 Norton AntiVirus 2003 1-11 parallel connector 2–9 notebook model, family, type, and passwords 9-11 serial number 9-2 PC Card NTSC television format 6-6 configuring 8-4 num lock functions 8-4 key 3-9 inserting, removing 8–5 light 2-6 stopping 8–6 number types available 8-4 Product Key 2–15 PC Card eject button 2-11 serial 2-15 pointing device 3–2 numeric keypad 3-8 port, infrared 2–12, 7–13 power button 2-5 opening the notebook 1–4 connecting the notebook to Opens 2–2 external 1-5 operating environment conservation 4-2, 4-17 specifications A-1 controls 4–5 operating system cord 2-16 installing retail version of 9–11 emergency shutdown loading 4–6 procedures 4-6 Microsoft Certificate of Hibernation procedures 4-6 Authenticity label 2–15 low-battery conditions 4-13 Product Key number 2–15 power connector 2-12 reinstalling 9–8 power/standby light 2-6 repairing 9-8 rated input A-2 shutting down 4–6 running the notebook on battery optical disc. See CD(s); DVD(s) optical drive setting preferences 4–9 avoiding Standby and shutting down the notebook Hibernation while using 5–9 1 - 10boot order 5-10 Standby procedures 4–7 identifying 2-11 surge protection 1–11



See also drives

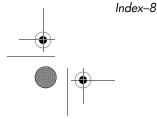








switching between AC and DVD 6-8 battery 4-11 modem 7-6 turning on the notebook 1–7 Regulatory and Safety Notices See also battery pack guide 2–18 power button regulatory information function, changing 4-9 modem approvals label 2-15 identifying 4–5 notices 1-12 resetting with 4–6 Regulatory and Safety power connector *Notices* guide 2–18 connecting 1-5 system label 2–15 identifying 2–12 wireless certification label 2 - 15power cord connecting 1–5 release latch surge protection 1–11 battery pack 2-13 Power Meter 4–12 display 2–2 power, AC 1–12 repairing the operating system 9–8 power/standby light 4-5 reset (emergency shutdown Preboot eXecution Environment procedures) 1-10, 4-6 (PXE) 7-12resolution, screen 1–10 preloaded utilities restoring software 2–18 displaying descriptions 1–9 RJ-11 telephone jack Product Key number 2–15 connecting 7–3 projector identifying 2–9 connecting 2–9, 8–2 modem cable 2-16 switching display 3–6 RJ-45 network jack PXE (Preboot eXecution connecting 7–11 Environment) 7–12 identifying 2–9 network cable 2-16 **ROM** RAM (Random Access Memory) defined 9-2 8 - 10determining current version of recovery CD 2-18 9 - 3region settings downloading and installing 9-4 currency, date, language, time obtaining updates 9-4 1 - 10RomPaq, downloading 9-4



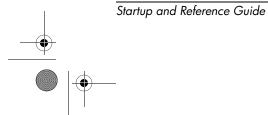








3	remstaning 9–8, 9–10
Safety & Comfort Guide 1–12,	repairing 9–8
2–18	restoring 2–18
SD Card	RomPaq 9-4
inserting, removing 8–7	Setup utility 9–11
security cable	SoftPaq 9–4
lock, connecting 8–16	UDF Reader 6–10
slot 2–12	updating preloaded software
serial number, notebook 2–15, 9–2	9–2
series, notebook 9–2	Windows Media Player 6-7
Setup utility 9–11	WinDVD 6–7
shutdown procedures 1–10, 4–6	software updates
sleep button 3–7, 4–9	downloading and installing
Sleep. See Standby	9–4, 9–6
slot	obtaining 9–4
memory 8–10	preparing for 9–2
PC Card 2–11	speakers, external 6-4
SD Card 8–7	speakers, internal 6–3
security cable 2–12	specifications
socket services, PC Card 8-4	dimensions A–1
SoftPaq	modem 7–2
described 9-4	network 7–10
downloading and installing 9-6	operating environment A-1
software	rated input power A–2
antivirus protection 1–11	Standby
AutoPlay 5–8	avoiding when playing media
Easy CD Creator 6–9	5–9
Help and Support window 9–13	avoiding when using infrared
infrared 7–13	7–14
installing optional 1–9	controls and indicators 4–5
modem 7–6	initiated during critical
network 7–12	low-battery condition 4–13
Norton AntiVirus 2003 1-11	initiating 3–6, 4–7
Power Meter 4–12	power/standby light 2–6
regional settings 1-10	resuming from 4–7
	setting preferences 4_9



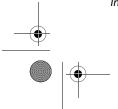








S-Video modem approvals label 2–15 serial number 2-15 connections 6-5 jack 2-9 wireless certification label 2-15switch, display 2–5 system label 2-15 traveling with the notebook system lock-up 1-10, 4-6 modem country configurations System Restore utility 9–7 regional settings 1–10 troubleshooting technical support 9-13 modem travel connections 7–7 notebook documentation 2-18 Troubleshooting guide 2–18 telephone (RJ-11) jack turning off notebook 1–10, 4–6 connecting 7–3 turning on notebook 1–7, 4–6 identifying 2–9 U modem cable 2-16 telephone numbers, service and UDF Reader 6–10 support 9-13 unresponsive system, emergency television shutdown procedures 1-10, 4-6 changing color format 6-6 connecting audio 6-4 connectors, identifying 2-9 devices, connecting 8–3 connecting video 6–5 utilities, preloaded temperature notebook surface 1-12 displaying descriptions 1-9 specifications A-1 installing 1–9 storage, battery pack 4-16 See also software 1394 connector 2-9 time, settting the 1–10 **VCR** To 1–12 audio-out jack TouchPad function 6-4 components 3-2 connecting 6-5 setting preferences 3–3 vents, fan 2-10, 2-14 traveling with notebook video CDs, DVDs. See CD(s); battery pack temperature DVD(s) considerations 4-16 environmental specifications A-1











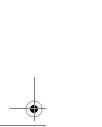
video device connecting audio 6–5 S-Video jack 6–5 turning on and off 6–6 viruses, computer 1–11 volume, adjusting 6–2

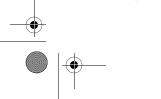
### W

Windows applications key 2–4 Windows Media Player accessing with Digital Audio button 6–7 using with audio CDs

### WinDVD

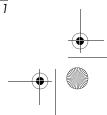
error message 6–7
managing region settings 6–8
playing video CDs and DVDs
6–7
wireless device
button 2–8
certification label 2–15

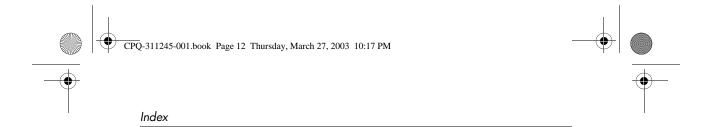




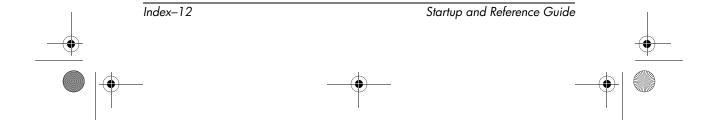
Startup and Reference Guide

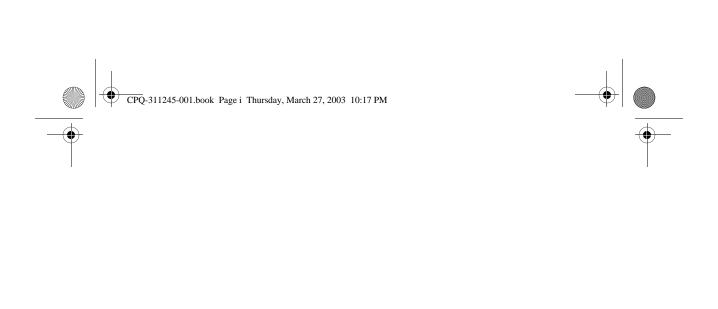


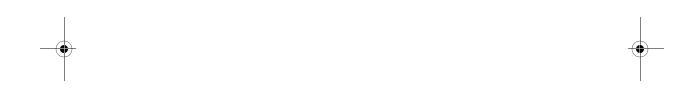


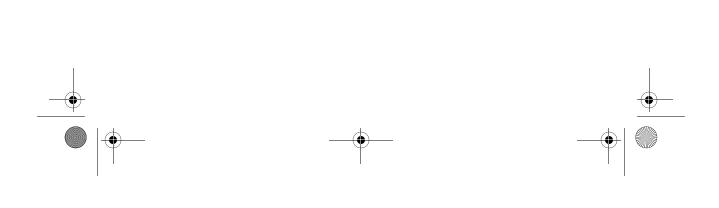


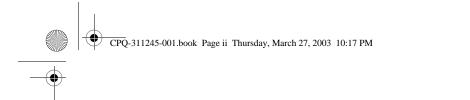


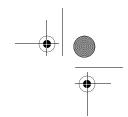












© 2003 Hewlett-Packard Development Company, L.P.

Microsoft and Windows are trademarks of Microsoft Corporation in the U.S. and/or other countries.

HP shall not be liable for technical or editorial errors or omissions contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material. The information in this document is provided "as is" without warranty of any kind, and is subject to change without notice. The warranties for HP products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty.

Startup and Reference Guide Compaq Notebook Series First Edition June 2003 Document Part Number: 311245-001





