

Index

Symbols

.\$\$\$ file type (temporary file), 235

A

ActiveX, 129, 247
Ad-Aware anti-spyware software, 156, 234
affiliates, definition, 247
AGP (Accelerated Graphics Port), 247
.aif file type (Audio Interchange File), 235
anti-spam software, 121–127
anti-virus software manufacturers, 233–234
Apple
 iTunes (*See* iTunes)
 .mov files, 25
applets, 247
applications
 definition, 247
 desktop software applications, 7
ASCAP distribution license, 177–178
ASP (Active Server Pages), 247
associating files, 91–92
.au files (sound files), 235
audio, streaming, 4
audio books, iTunes, 17
audio cards, overview, 79–80
audio video interleave files (Microsoft). *See* .avi files
audiovisual works, copyright law and, 170
authentication, 247
authorization, 247
autoresponder, 247
AVG Anti-virus software, 105
AVG anti-virus software, 233
.avi files (AVI movie format), 25, 235

B

backups, listening to music and, 39
.bak files (Backup copy), 235
bandwidth, 247
BBBOnline, 152–154
BearShare
 installation, 58–60
 introduction, 56
 overview, 57
 system requirements, 58
 third-party software, 56–57
beta software, 248
binary, definition, 248

BIOS (basic input/output system), 84, 248
bits, 88, 248
BitTorrent file-sharing network, 47
blogs, 248
Blubster file-sharing service, 231
Bluetooth technology, 248
BMI distribution license, 177, 178–180
bookmarks, 248
boot disk, operating systems, 85
bots, 248
bps (bits per second), 248
broadband connections
 definition, 248
 streaming music and, 40
browsers, description, 248
.brx files (Browse index on multimedia CDs), 236
buffers, 248
burning CDs. *See* ripping CDs
BuyMusic direct download site, 229
bytes, overview, 88

C

cable modem, 248
cache, 249
cases, 78
CD/DVD drive, overview, 80
.cda files (CD Audio track), 236
CDs, burning from iTunes downloads, 31
.cgi files (Common Gateway Interface), 236
Children's Seal Program, TRUSTe and, 151–152
chipsets, 249
clients, 249
.cmf files (SoundBlaster), 236
codec, 249
configuration
 definition, 249
 firewalls, 63
connections
 file-sharing applications and, 71
 physical Internet connections, 134–135
cookies
 definition, 249
 threat potential, 112
copyright law
 consequences of violations, 181–184
 digital downloading and, 169–171
 DMCA (Digital Millennium Copyright Act), 173–174

Continued

copyright law (*continued*)
 electronic theft law, 174
 Fair Use Doctrine, 172
 ISPs and, 174
 music download use, 223–224
 overview, 166–169
 protected works, 168
 Sonny Bono Copyright Extension Act, 172–173
 updates pertaining to digital downloads, 171–172
 violator detection, 182

cost, direct-download sites, 23

CPU
 definition, 249
 overview, 79

crackers, overview, 113

cracking passwords, network security and, 139

Creative Rhomba portable media player, 199–200

CRM (Content Rights Management), 249

cryptography (encryption), 155

D

DDR (Double Data Rate), 249

defragmenting disk drive, 87, 249

desktop software application, definition, 7

DHCP (Dynamic Host Configuration Protocol), 249

digital video editing, software, 213–219

Direct Connect file-sharing service, 232

direct downloading
 background of sites, 17
 domain name registration for site, 18
 ease of use of site, 23
 file downloads, 16–17
 file sharing comparison, 4–5
 iTunes, 16
 legal issues, 4
 library of site, 23
 music sites, 229–230
 Musicmatch, 6–7
 Napster and, 15–16
 price for downloads, 23
 privacy policies, 26–27
 quality issues, 4, 12
 security issues, 4, 10–11
 site use, 15–23
 sites, searching for, 17–22
 software license agreements, 25–26
 system issues, 4, 12–13
 Terms and Conditions, 26
 tips for consideration, 13
 user interface familiarity, 40
 video sites, 230–231

disk drives. *See* hard drive

disks, downloads, 8

distributing music, licensing, 176–180

DLL (Dynamic Link Library), 249

.dll files (dynamic link library), 236

DMCA (Digital Millennium Copyright Act), 173–174

DNS (Domain Name Server), 249

.doc files (document), 236

domain names, 18, 250

downloading. *See also* direct downloading; illegal downloads
 considerations before, 39–40
 copyright law and, 169–171
 from direct-download sites, 16–17
 from disk, 8
 from e-mail, 8
 fake sites, 40
 FTP sites, 8–10
 illegal sites, 40
 iTunes, 190–191
 music files, 3–4
 RealRhapsody, 33–34
 ring tones, 209–210
 video files, 3–4

dramatic works, copyright law and, 170

drivers, 250

drives
 BIOS (basic input/output system), 84
 POST (power-on self test), 84

DSL (digital subscriber line), 250

DVDs
 burning from iTunes downloads, 31
 description, 250

E

e-mail
 downloading from, 8
 personal privacy and, 148
 security, 120
 threat potential, 111–112
 threat protection tips, 130

eDonkey, 60–61

electronic theft, copyright law and, 174

eMule file-sharing service, 231

eMusic direct download site, 230

encrypted Web sites, security and, 141

encryption, 154–155, 250

Ethernet, 250

eTrust EZ Antivirus software, 233

F

Fair Use Doctrine, copyright law and, 172

FAT-16 file system properties, 96

- FAT-32 file system properties, 96
 - FAT (file allocation table) file systems, 85, 250
 - file extensions
 - music, 24–25
 - viewing in XP, 89
 - file management
 - file properties, 95–96
 - folders, 95
 - introduction, 93–95
 - file sharing
 - applications, selection tips, 71–72
 - direct downloading comparison, 4–5
 - Kazaa, 5–6
 - legal issues, 11–12
 - Napster and, 44
 - overview, 43–45
 - quality issues, 12
 - security issues, 10–11
 - security risks, 136–138
 - system issues, 12–13
 - tips for consideration, 13
 - file-sharing networks
 - BitTorrent, 47
 - Freenet, 46
 - Gnutella, 46
 - iMesh, 47
 - Overnet, 47
 - overview, 45
 - P2P connections, 46
 - Web sites, 234–235
 - file-sharing services
 - BearShare, 56–60
 - eDonkey, 60–61
 - Kazaa, 67–70
 - LimeWire, 62–64
 - Overnet, 60–61
 - overview, 47
 - Shareaza, 48–55
 - Web sites, 231–232
 - file systems
 - downloads and, 93
 - FAT (file allocation table), 85
 - fragmented files, 86–87
 - groups, 98
 - permissions, 97–98
 - users, 98
 - file types
 - associations, 91–92
 - media files, 235–236
 - viewing in XP, 89
 - filenames, music, 24–25
 - files
 - bits, 88
 - bytes, 88
 - properties, 95–96
 - track sizes, 5
 - types, 24–25
 - firewalls
 - configuration, 63
 - definition, 250
 - network security and, 141–144
 - firewire, 250
 - Flash, 25, 250
 - floppy drive, overview, 80
 - folders, description, 95
 - fragmented files, disk drives, 86–87
 - Freenet file-sharing network, 46, 235
 - freeware, definition, 250
 - FTP (File Transfer Protocol)
 - description, 135, 250
 - sites, search engines and, 8–10
- G**
- GB (gigabytes), 88, 251
 - GIF (Graphics Interchange Format) file format, 251
 - GiGO (Garbage In Garbage Out), 251
 - Gimini 22 (ARCHOS) portable media player, 200–201
 - Gnucleus file-sharing service, 232
 - Gnutella file-sharing network, 46, 235
 - graphic works, copyright law and, 170
 - groups, file systems, 98
- H**
- hackers, overview, 113
 - hard drive
 - defragmenting, 87
 - fragmented files, 86–87
 - labeling, 85
 - overview, 80
 - space for downloads, 40
 - hardware
 - audio cards, 79–80
 - cases, 78
 - CD/DVD drive, 80
 - CPU, 79
 - disk drives, 85–87
 - floppy drive, 80
 - hard drive, 80
 - laptops, 78
 - modems, 80
 - motherboard, 79
 - network cards, 80

hardware (*continued*)

- notebooks, 78
- partitions, 85–87
- RAM, 79
- speakers, 80
- video cards, 79–80

hits, 251

host, 251

HTML (Hypertext Markup Language), 251

HTTP (Hypertext Transfer Protocol), 135, 251

hypertext, 251

I

icons, 251

identity theft, 115–116, 160–161

illegal downloads

- consequences of violations, 181–184
- copyright law and, 166–174
- introduction, 165–166

IM (Instant Messaging), 251

iMesh file-sharing network, 47

installation

- BearShare, 58–60
- considerations before beginning, 39–40
- iTunes, 190–191
- iTunes software, 31
- Kazaa, 69–70
- LimeWire, 64
- Morpheus, 66–67
- Musicmatch software, 33
- Napster software, 29
- RealRhapsody, 33–34
- Shareaza, 49–52

inter-networks, 134

interfaces, direct-download sites, 40

Internet

- FTP, 135
- functioning of, 134–136
- HTTP, 135
- as network, 135–136
- network threats, 136–140
- physical connections, 134–135
- protocols, 135–136
- SMTP, 135
- TCP/IP, 135
- trademark law and, 176

iPod, 196–197

ISPs (Internet service providers)

- copyright law and, 174
- definition, 251

J

Java, 251

JavaScript, 251

.jpeg files (JPEG images), 236, 251

.jpg files (JPEG images), 236

K

Kazaa

- file sharing on, 5–6
- installation, 69–70
- overview, 67–70
- privacy policy, 68
- services, 6
- Supernodes, 5–6
- system requirements, 68–69
- Terms and conditions, 68
- third-party software, 68

KB (kilobytes), description, 88

Kbps, 251

L

LAN (Local Area Network), 251

laptop computers

- hardware, 78
- movie downloads, 207–209

latency, 251

LCD (Liquid Crystal Display), 252

legal issues. *See also* copyright law; trademark law

- CD ripping, 12
- direct downloading, 4, 11–12
- file sharing, 11–12
- music download use, 223–224

libraries

- direct-download sites, 23
- Shareaza, 53

license agreements

- considerations before software installation, 39
- distribution licenses, 177–180
- software, direct-download sites and, 25–26
- sound recording license, 181

LimeWire

- installation, 64
- overview, 62–63

Linux

- description, 252
- file system properties, 96

listening to music, backups and, 39

literary works, copyright law and, 170

Lyra (RCA/Thomsom) portable media player, 198

M

Macromedia, file extensions, 25
 MailWasher Pro anti-spam software, 122
 malfunctioning software, threats and, 103–105
 MB (megabytes), 88, 252
 McAfee antivirus software, 233
 media file types, 235–236
 Media Player, Shareaza, 54
 media players

- Creative Rhomba, 199–200
- Gimini 220 (ARCHOS), 200–201
- Lyra (RCA/Thomson), 198

 music transfer, 201–206
 RealPlayer and, 201–204
 Rio Cali, 199
 Rio Music Manager and, 205–206
 YP55V (Samsung), 200
 Megahertz, 252
 Messenger, popups and, 109–110
 .mff (MIDI file format), 236
 .mg2 files, specifications, 25
 Microsoft

- audio video interleave files, 25
- waveform files, 25

 mirror sites, 252
 MLDonkey file-sharing service, 232
 modems

- description, 252
- overview, 80

 monitors, specifications, 79
 Morpheus

- installation, 66–67
- privacy policy, 65
- system requirements, 66
- Terms and conditions, 64

 motherboard, 79, 252
 Motion Picture Experts Group files, extensions, 25
 .mov files, specifications, 25
 .mov files (QuickTime movie), 236
 MovieFlix direct download site, 231
 MovieLink direct download site, 231
 .mp4 files, specifications, 25
 .mp2 files (MPEG Layer II compress audio), 25, 236
 .mp3 files (MPEG Layer III compress audio), 25, 236, 252
 MP3 sites, registration, 8
 .mpe files (MPEG), 236
 MPEG (.mp3) files, 25, 252
 .mpeg (MPEG movie file), 236
 .mpg files (MPEG movie file), 236
 MSN Music

- overview, 36–38
- privacy policy, 38

- system requirements, 38
- Terms and Conditions, 38

 multimedia, definition, 252
 multimedia scrapbooks, PHOTOJAM 4 music
 slideshow, 220–222
 music

- direct-download sites, 15–23, 229–230
- distribution, licensing, 176–180
- downloading, 3–4
- file extensions, 24
- file types, 24–25
- filenames, 24
- iTunes, 16
- legal restrictions on downloads, 223–224
- slideshows, PHOTOJAM4 and, 220–222
- video clips and, 218–219
- video editing software libraries, 216–217

 musical works, copyright law and, 170
 Musicmatch

- direct downloads, 6–7
- origins, 32
- privacy policies, 32
- software installation, 33
- system requirements, 32
- Terms and conditions, 32

 MusicNow direct download site, 230
 MusicRebellion direct download site, 230
N

Napster

- as direct-download site, 15–16
- file sharing and, 44
- privacy policies, 28
- software installation, 29
- system requirements, 28
- Terms and conditions, 28

 network cards, overview, 80
 network security

- encrypted Web sites, 141
- firewalls, 141–144
- Internet as network, 135–136
- Internet functioning and, 134–136
- password cracking, 139
- passwords, default, 138–139
- physical connections, 134–135
- physical security, 141–144
- protection tips, 144–145
- securing network, 140–144
- server exploits, 138–140
- spoofing and, 139–140
- threats, 136–140

 Network Solutions, whois searches, 18–19

networks

- file-sharing. *See* file-sharing networks
- Internet as, 135–136

- NIC (Network Interface Card), 252
- Nigerian bank account scam, 114
- NNTP (Network News Transfer Protocol), 252
- notebook computers, hardware, 78
- NTFS file system, 96–98

O

- OCR (Optical Character Recognition), 252
- open-source software, file-sharing applications and, 71
- operating systems
 - boot disk, 85
 - overview, 82–83
- Overnet file-sharing network, 47, 60–61

P

- packets, 252
- Panda Software anti-virus, 234
- pantomimes and choreographic works, copyright law and, 170
- parsing, 252
- partitions, 85–86, 253
- passwords
 - cracking, 139
 - default, security and, 138–139
- PDAs (personal digital assistant), 253
- PDF (Portable Document Format) files, 253
- peer-to-peer. *See* P2P (peer-to-peer)
- permissions, NTFS file permissions, 97–98
- personal privacy
 - BBBOnline, 152
 - encryption and, 154–155
 - identity theft, 160–161
 - introduction, 147–148
 - PGP (Pretty Good Privacy) and, 154–155
 - privacy services, 150–154
 - spyware and, 155–159
 - TRUSTe and, 150–152
- PestPatrol anti-spyware software, 156–159, 234
- PGP (Pretty Good Privacy), personal privacy and, 154–155
- PHOTOJAM 4 music slideshow, 220–222
- physical security of networks, 141–144
- pictorial works, copyright law and, 170
- Piolet file-sharing service, 231
- pixels, 253
- players, default, 40
- plug-ins, 253

popup ads

- file-sharing applications and, 71
- Messenger and, 109–110
- threat potential, 108–111
- popups, definition, 253
- portable media players
 - overview, 189–190
 - transfers to, 197–206
- POST (power-on self test), 84
- P2P (peer-to-peer)
 - file-sharing networks, 47
 - Kazaa and, 5
 - Napster and, 27
- privacy policies. *See also* personal privacy
 - BearShare, 58
 - considerations before software installation, 39
 - direct-download sites, 26–27
 - iTunes, 31
 - Kazaa, 68
 - Morpheus, 65
 - MSN Music, 38
 - Musicmatch, 32
 - Napster, 28
 - RealRhapsody, 33
 - Sony Connect, 36
- properties, files, 95–96
- protocols, 43–44, 253
- public key cryptography (encryption), 155

Q

- quality issues
 - direct downloading, 4, 12
 - file sharing, 12
- QuickTime, 25, 253

R

- .ra files (RealAudio), 25, 236
- .ram files (RealAudio), 25, 236
- RAM (Random Access Memory), 79, 253
- real audio files, extension, 25
- Real Networks files, extension, 25
- RealMedia, file extensions, 25
- RealPlayer
 - portable devices and, 201–204
 - RealRhapsody and, 34
- RealRhapsody (Real Network)
 - downloading, 33–34
 - installation, 33–34
 - privacy policy, 33
 - RealPlayer and, 34
 - system requirements, 33
 - Terms and conditions, 33

- recording, sound recording license, 181
 - remote access threats
 - cookies, 112
 - e-mail, 111–112
 - malfunctioning software, 103–105
 - overview, 102–103
 - popups, 108–111
 - spyware, 108
 - Trojan horses, 112
 - viruses, 105–107
 - worms, 107–108
 - resolution, 253
 - RIAA (Recording Industry Association of America), copyright violations and, 181–184
 - ring tone downloads, 209–210
 - Rio Cali portable media player, 199
 - Rio Music Manager, portable devices and, 205–206
 - ripping CDs
 - description, 248
 - legal issues, 12
 - .rm files (RealMedia), 25, 236
 - ROM (Read Only Memory), 253
 - root folder, 253
 - routers, 254
 - .rv files, specifications, 25
- S**
- scam artists, threat potential, 114–115
 - scripting, Web-browsing security and, 129
 - search engines, FTP sites and, 8–10
 - searches
 - legal downloads, Web site music, 216
 - Shareaza, 54
 - security. *See also* personal privacy; threats to PC
 - anti-spam software, 121–127
 - direct downloading, 4, 10–11
 - e-mail, 120
 - file sharing, 10–11
 - file-sharing risks, 136–138
 - identity theft, 160–161
 - introduction, 119–120
 - networks (*See* network security)
 - networks, threats to, 138–140
 - networks, tips for, 144–145
 - password cracking, 139
 - passwords, default, 138–139
 - spam and, 120–121
 - spoofing and, 139–140
 - Web-browsing security, 127–130
 - servers, 138–140, 254
 - SESAC distribution license, 177, 180
 - Shareaza file-sharing service
 - application download, 49
 - installation, 49–52
 - Library tab, 53
 - Media Player, 54
 - overview, 48
 - Search tab, 54
 - system requirements, 49
 - third-party software, 48
 - user interface, 53
 - shareware, 254
 - sharing files. *See* file sharing
 - SMTP (Simple Mail Transfer Protocol), description, 136
 - software
 - anti-spyware software, 234
 - anti-virus manufacturers, 233–234
 - beta software, 248
 - default player, 40
 - desktop software application, 7
 - digital video editing, 213–219
 - installation, considerations before, 39–40
 - iTunes installation, 31
 - license agreements, direct-download sites and, 25–26
 - malfunctioning as threat, 103–105
 - Musicmatch installation, 33
 - Napster, installation, 29
 - proprietary, direct-download sites, 23
 - spam, anti-spam software, 121–127
 - Sonny Bono Copyright Extension Act, 172–173
 - Sony Connect
 - overview, 34
 - privacy policy, 36
 - system requirements, 35
 - Terms and conditions, 35
 - Sony Connect music direct download site, 230
 - sound recording license, 181
 - sound records, copyright law and, 170
 - space for downloads, installation considerations, 40
 - spam
 - anti-spam software, 121–127
 - definition, 254
 - security from, 120–121
 - speakers, specifications, 80
 - spoofing, network security and, 139–140
 - spyware
 - Ad-aware and, 156
 - anti-spyware software, 234
 - definition, 254
 - description, 20

Continued

spyware (*continued*)
 file-sharing applications and, 71
 Kinko's case, 155
 PestPatrol and, 156–159
 threat potential, 108
 threat protection tips, 130

streaming, definition, 254
 streaming audio, 4, 40
 streaming video, 4
 Streamwaves direct download site, 230

Supernodes, Kazaa, 5–6
 .swf files, specifications, 25
 Symantec anti-virus software, 234
 system issues

direct downloading, 4, 12–13
 file sharing, 12–13

system requirements

BearShare, 58
 eDonkey, 61
 iTunes, 31
 Kazaa, 68–69
 Morpheus, 66
 MSN Music, 38
 Musicmatch, 32
 Napster, 28
 RealRhapsody, 33
 Shareaza, 49
 Sony Connect, 35

T

TCP/IP (Transmission Control Protocol/Internet Protocol), 135, 254

Terms and conditions

BearShare, 58
 considerations before software installation, 39
 direct-download sites and, 26
 iTunes, 30–31
 Kazaa, 68
 Morpheus, 64
 MSN Music, 38
 Musicmatch, 32
 Napster, 28
 RealRhapsody, 33
 Sony Connect, 35

threats to networks, file-sharing security risks, 136–138

threats to PC. *See also* security

crackers, 113
 hackers, 113
 identity thieves, 115–116
 Nigerian bank account scam, 114
 overview, 101–102

remote access, 102–113
 scam artists, 114–115
 tips of overcoming, 116–117
 .tif files (TIFF graphics files), 236
 .tiff files (TIFF graphics files), 236, 254
 track sizes, download sites, 5
 trademark law, 174–175
 Trojan horses, threat potential, 112
 TRUSTe

complaints about violations, 153–154
 personal privacy and, 150–152

TTL (Time To Live), 254

Tunes

account setup, 192–196
 audio books, 17
 burning CDs/DVDs, 31
 downloading to computer, 190–191
 installing to computer, 190–191
 iPod and, 190–197
 iPod and, transferring music to, 196–197
 locating music, 193–194
 offerings, 30
 origins, 16, 29
 privacy policies, 31
 purchasing music, 194–196
 software installation, 31
 system requirements, 31
 Terms and Conditions, 30–31

.txt files (text), 236

U

uploading, 4, 254

URLs (Uniform Resource Locator), 254

USB (Universal Serial Bus), 254

user interface

direct-download sites, 40
 file-sharing applications and, 71
 Shareaza, 53

users, file systems, 98

V

VGA (Video Graphics Array), 254

video

cards, overview, 79–80
 digital video editing software, 213–219
 direct-download sites, 15–23, 230–231
 downloading, 3–4
 editing, legal music files, 216–219
 file transfer from camera to PC, 214–216
 file types, 24–25
 laptops, downloading to, 207–209
 streaming, 4

violations of copyright law and download restrictions,
182–184

viruses

anti-virus software manufacturers, 233–234

definition, 255

threat potential, 105

.voc files (Sound Blaster), 236

W

Wal-Mart direct download site, 230

.wav files (sound file), 25, 236

waveform (Microsoft) files, extension, 25

Web-browsing security, 127–130

Web sites

encrypted, security and, 141

information collected, notification, 148–150

legal music for, 216

whois searches, 18–19, 255

.wma files (Windows Media Audio), 236

worms, 107–108, 255

X–Y–Z

YP55V (Samsung) portable media player, 200

.zip files (file compressed using WinZip or PKZIP),
236, 255

