



A

- adapter pinouts **B-4**
- auxiliary port
 - pinouts **B-4**

B

- bridging
 - capabilities **1-2**
 - figure **1-3**
 - maximum CPE devices **1-2**

C

- cable
 - jacks, in wet locations **2-2**
 - safety guidelines **2-2**
 - ungrounded and uninsulated **2-3**
- Cable Link LED **4-5**
- cable modem
 - definition **1-1**
 - figure of a typical data cable system **1-15**
- cables
 - 4E RJ-45 pinout **B-3**
- Caution
 - antistatic strap **2-3**
 - incorrect configuration file **1-12**
 - using proper power cords **2-5**
- caution
 - cable modem, overheating **2-5**
 - scoring coaxial cable connectors **2-7**
- coaxial cable **4-7**

- condition of **4-7**
- subsystem for troubleshooting **4-4, 4-7**
- configuration files
 - Cisco IOS **1-14**
 - DOCSIS **1-10, 1-14**
- connection equipment
 - console port signals **B-4**
- connections
 - coaxial cable **3-4**
 - power **3-6**
- console port
 - adapter **B-4**
 - pinouts **B-4**
- console terminal, system banner display **B-4**
- crossover cable connection **B-2**

D

- data operations
 - description **1-15**
 - downstream transmissions **1-15**
 - upstream transmissions **1-16**
- digital signal, subsystem for troubleshooting **4-4**
- distance limitations, transmission **2-7**
- DOCSIS
 - configuration file **1-10, 1-14**
 - configuration file problems **1-12**
 - description **1-1**
 - power-on sequence **1-11**
 - provisioning **1-10**
 - RF interface specification **1-13**
- downstream transmissions
 - description **1-15**

frequency range 1-15

E

electromagnetic pulse (EMP), avoiding 2-6

EMI, shielding 2-3

Ethernet 0 LED 4-5

F

figures

bridging configuration 1-3

front view of the router 1-6

provisioning overview 1-13

rear view 1-6

routing configuration 1-3

typical data cable system 1-15

I

incorrect configuration file 1-12

information, additional C-1

initial power-on

description 1-10

sequence of steps 1-11

installation

connecting the CATV cable 3-4

interference, radio frequency 2-6

IOS images

upgrading 1-14

J

jewelry, avoiding for safety 2-2

L

LED

description 1-7

LEDs

1 4-5

Link 4-5

OK 4-5

lightning storm, safety during 2-2

M

MAX CPE parameter 1-3

maximum CPE devices 1-3

N

note, description of x

O

operations

data connections 1-15

LED descriptions 1-7

P

personal computer

subsystem for troubleshooting 4-4

pinouts

RJ-45

4E B-3

power

connections 3-6

site requirements 3-3

subsystem for troubleshooting 4-4, 4-6

surge suppression 2-6

ungrounded 2-2

power factor corrector, power supply 3-3

power supply, physical description 1-9

prerequisites

- provisioning 1-13
- problem solving, subsystem 4-4
- procedures
 - connecting the CATV cable 3-4
- provisioning
 - description 1-10
 - overview (figure) 1-13
 - power-on sequence 1-11
 - prerequisites 1-13

R

- RF signal, subsystem for troubleshooting 4-4
- RJ-45
 - 4E
 - cable B-3
- routing
 - capabilities 1-2
 - figure 1-3
 - maximum CPE devices 1-2

S

- safety recommendations
 - electrical 2-2
 - preventing electrostatic discharge damage 2-3
- site requirements
 - environment 2-5
 - power 3-3
- software images
 - upgrading 1-14
- SP-RFII01-990731 RF interface specification 1-13
- subsystems for troubleshooting
 - coaxial cable 4-7
 - power 4-6
- system specifications A-1
- System status LED 4-5

T

- timesaver, description x
- troubleshooting
 - coaxial cable subsystem 4-7
 - identifying installation problems 4-2
 - power subsystem 4-6
 - strategy 4-4

U

- UniverCD, ordering C-1
- upgrading IOS images 1-14
- upstream transmissions
 - description 1-16
 - frequency range 1-16
- User LED 1 4-5
- User LED 2 4-6
- User LED 3 4-6

W

- Warning
 - proper grounding of router 2-2
- wiring
 - quality and requirements 2-6

