

TOSHIBA

Toshiba PCX1100U Owner's Manual

Docsis cable modem

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Toshiba DOCSIS Cable Modem
TOSHIBA
Owner's Manual

PCX1100U

Feb. 2001

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Summary of Contents for Toshiba PCX1100U

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How does a cable modem work? How does a cable modem connect to a computer? What is DOCSIS? Getting Started
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[Page 4: Congratulations On Your Purchase](#)

Congratulations on Your Purchase! Your new Toshiba DOCSIS Cable Modem will provide you with high-speed access to the Internet through your cable TV (CATV) network- accesses at a fraction of the time it takes traditional telephone modems. In addition, your service will be always connected. Those two features give you the information you want, when you want it

[Page 5: Important Rules For Safe Operation](#)

Important Rules for Safe Operation In addition to the careful attention devoted to quality standards in the manufacture of your Toshiba DOCSIS Cable Modem, safety is a major factor in the design of every product. However, safety is your responsibility, too.

[Page 6](#) Do Not Use Accessories - Do not use attachments, unless they are recommended by Toshiba, as they may cause electrical or fire hazards. Use the Recommended AC Adapter - You must use the Adaptor that comes with your Toshiba Cable Modem.

[Page 7: Use](#)

Unplug Power Before Cleaning - Do not use liquid cleaner or aerosol cleaner. Use a damp cloth for cleaning. Keep Objects Out of Openings - Never push objects of any kind into this product through openings, as they may touch dangerous voltage or "short-out" parts, which could result

in a fire or electric shock.

[Page 8: Overview](#)

Overview The modem provides you with high-speed data communications over the television cable network by following the widely accepted DOCSIS/MCNS standards being developed by the Multimedia Cable Network System (MCNS) consortium. Those standards offer a combination of high performance and interoperability among many of the cable system operators in North America.

[Page 9: What Is Docsis](#)

What is DOCSIS? Data Over Cable Service Interface Specifications. DOCSIS defines interface requirements for cable modems involved in high-speed data distribution over a cable tele vision network. On November 17, 1997, Cable Television Laboratories, Inc. (Cable Labs) and its members established a formal path of certification for cable modem equipment suppliers to obtain an interoperability seal for their products based on the DOCSIS specification.

[Page 10: Getting Started](#)

Getting Started What's in the Box? Make sure that you've received the following items. If any item is missing or damaged, contact your dealer immediately. Toshiba DOCSIS Cable Modem 10BASE-T Cable (6feet) USB Cable (5feet) AC Adapter (AD-121AN) Stand CD-ROM Front Panel LEDs Refer to the back cover for cable modem installation instructions.

[Page 11: Installing Usb Drivers](#)

(7)Once complete, you are ready to surf the internet at warp speed using your new PCX1100U Cable modem. Note If you have trouble installing your new PCX1100U Cable Modem, you may have inadvertently installed the USB Composite Device Driver that Windows 98SE automatically loads. To correct this problem, please execute the following on the...

[Page 12](#) USB COMPOSITE DRIVER REMOVAL (1)Make sure that the USB cable is plugged in to your PC. (2)Go to the Start button; choose "Settings" and then "Control Panel". (3)From inside the "Control Panel" choose "System". (4)Choose the tab on the top of the screen for "Device Manager". (5)Click the "+"...

[Page 13: Diagnostics](#)

Diagnostics The Cable Modem has five status LEDs for diagnostics. You can monitor the LEDs during installation and during normal operations . Table 1 shows Cable Modem status LEDs and identifies what each LED light means. This table will help you to diagnose problems. Function Color Power...

[Page 14: Using A Stand](#)

Using a Stand Please attach the stand to the bottom of the cable modem...

[Page 15: Specifications](#)

Specifications The Toshiba DOCSIS Cable Modem is DOCSIS /MCNS compliant. Receiver Physical Speed: 30 Mbps (64QAM) / 43 Mbps (256QAM) Symbol rate : 5.056941 Msym/sec (64QAM); 5.360537 Msym/sec (256QAM) Demodulation: 64QAM / 256QAM Bandwidth: 6 MHz Frequency range: 88 MHz to 860 MHz (edge-to-edge) in 62.5 kHz steps...

[Page 16: Q & A](#)

Q & A Q: How does the cable modem connect to the hub/switch via the 10BASE-T? A: Connect to the uplink port on the 10BASE-T hub/switch, or use cross over Ethernet cable to connect the normal port on the 10BASE-T hub/switch. (See below) 10BASE-T HUB/ Switch...

[Page 17](#) A: The cable modem can only be configured and monitored by your cable operator at this time. Q: Where can I purchase a Toshiba cable modem if I am currently leasing one from my cable company? A: Toshiba cable modems can be found at many major electronics retailers. For...

[Page 18: Fcc Compliance](#)

FCC Compliance This Toshiba DOCSIS Cable Modem has been tested and found to comply with the limits for a Class B personal computer and peripherals, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

[Page 19: Glossary](#)

10BASE-T LAN cable. F connector A type of coaxial connector, labeled RF on the rear of the Toshiba Cable Modem, that connects the modem to the cable system. Head-end The equipment, in the central office of the service provider, where the cable signals originate.

[Page 20](#) Modem registration The process the Toshiba Cable Modem uses to make itself known to the headend equipment. Once authorized by the router, the modem is assigned upstream and downstream channels for data communication.

[Page 21: Installing The Cable Modem](#)

Installing the Cable Modem To avoid thermal problems, allow at least one inch spacing between the ventilation holes and any object to either side of the unit. It's best to have no obstructions on top of the unit. The top of the unit should be at least two inches from any obstruction.

This manual is also suitable for:

[Pcx1100 - docsis cable modem](#)