NETGEAR®

10/100 Mbps **PCMCIA Mobile Adapter**

Installation Guide

MODEL
FA 411

NETGEAR®

NETGEAR, Inc.
4500 Great America Parkway
Santa Clara, CA 95054
USA

Phone: 1-888-NETGEAR
E-mail: support@NETGEAR.com
www.NETGEAR.com

Support Information

See Support Information Card for phone numbers.

Internet / World Wide Web

Go to http://www.NETGEAR.com for the NETGEAR Web page.
Defective or damaged merchandise can be returned to your point-of-sale representative.

IMPORTANT!

Please register online. YOU MUST REGISTER TO OBTAIN TECHNICAL SUPPORT. PLEASE RETAIN PROOF OF PURCHASE and this warranty information. To register your product, get product support, or to obtain product information and NETGEAR product documentation, direct your Web browser to the **http://www.NETGEAR.com** Web page. If you do not have access to the World Wide Web, you can register your product using the enclosed registration card and mail it to NETGEAR customer service.
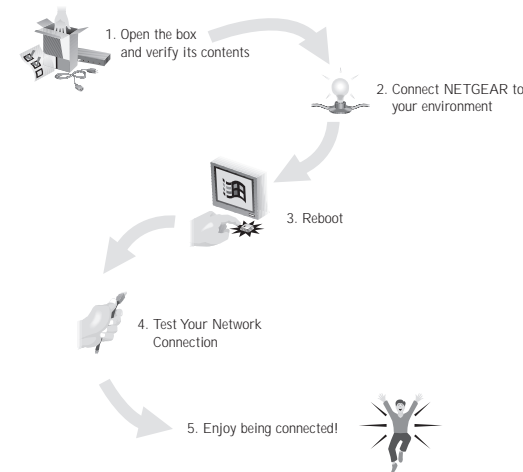
February 2001

Introduction

NETGEAR's Model FA411 PCMCIA Mobile Adapter makes it easy to accelerate your notebook PC to Fast Ethernet speeds. It is 16-bit PCMCIA compatible and, with its auto-sensing technology and Ethernet/Fast Ethernet compatibility, ideal for migrating a 16-bit PC card notebook computer from 10 Mbps to 100 Mbps networks.

START HERE

Instructions in this guide are for users of Windows® 98.

1. Open the box and verify its contents
2. Connect NETGEAR to your environment
3. Reboot
4. Test Your Network Connection
5. Enjoy being connected!

As a last step, be sure to register your network card at http://www.netgear.com.

Plan Your Time

Estimated setup time for this product is only **00:05** minutes.

1 OPEN BOX AND VERIFY CONTENTS

Make sure that your package contains the following:

- Model FA411 PCMCIA Mobile Adapter
- Driver and Diagnostics CD-ROM
- Installation Guide, and Support Information Card
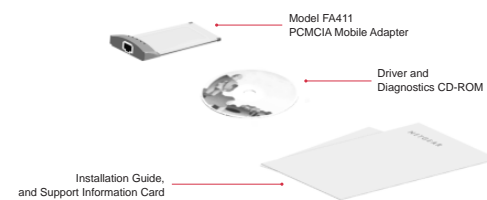
### 2 CONNECT NETGEAR TO YOUR ENVIRONMENT

Preparation

You will need to have your Windows 98 CD-ROM (or Windows 98 floppy disks) available to complete the installation.

Install the Network Card

The FA411 PCMCIA Mobile Adapter is hot swappable, which means you can insert it into a PC that is either powered on or shut down.
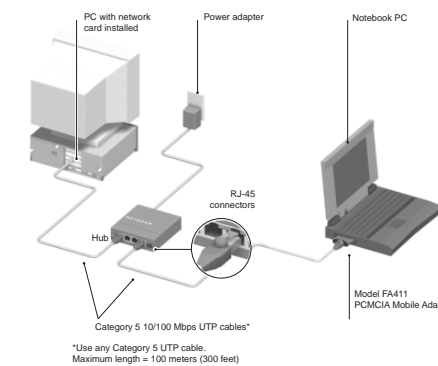
1. Insert the FA411 PCMCIA Mobile Adapter into the PCMCIA or CardBus slot as illustrated below.

   Some PCs have two PCMCIA or CardBus slots: the FA411 PCMCIA Mobile Adapter can be inserted into either slot.

2. Insert the RJ-45 adapter cable into the connector on the outer edge of the network card.

Model FA411 PCMCIA Mobile Adapter
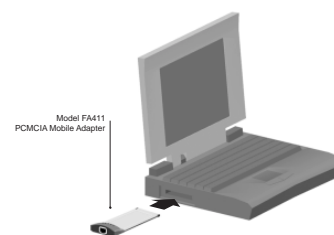
Connect the Network Cables

Using a UTP cable, connect any port on a hub or switch to the port on the network card.

⊜ **Note:** One of the ports on NETGEAR hubs is switchable between Normal (MDI-X) and Uplink (MDI) with a Normal/Uplink push button. If you are using this switchable port on a NETGEAR hub to connect to a PC or the network card, make sure the Normal/Uplink push button is set to Normal.

PC with network card installed
Power adapter
Notebook PC
RJ-45 connectors
Hub
Category 5 10/100 Mbps UTP cables*
Model FA411 PCMCIA Mobile Adapter

*Use any Category 5 UTP cable.
Maximum length = 100 meters (300 feet)

Install the Network Driver

This section explains how to install the Windows 98 Network Driver. Some versions of Windows 98 may respond with different dialog boxes, or the dialog boxes may open in a different sequence than those shown in this guide, but should prompt you for the same information.

⊜ **Note:** You must install the network card before installing the network driver.

Before you proceed with the installation steps, decide on a name for your network and for each PC. The whole network must have the same workgroup name while each PC must have a unique name. These names can be entered by going to Start>Settings>Control Panel>Network and clicking on the Identification tab. You also need to have the Windows 98 CD-ROM and the FA411 Drivers and Diagnostics CD-ROM ready to use in the installation process.

⊜ **Note:** If the "Insert Disk" dialog box opens and the "Please insert the disk labeled Windows 98..." message appears at any time during the installation process, insert the Windows 98 CD-ROM in drive D (or whichever letter represents the CD-ROM drive on your notebook computer) and click "OK." Then follow the next step in the instructions.

If you do not have a CD-ROM drive and are using the Windows 98 floppy disks, insert the requested Windows 98 floppy disk in drive A, click "OK," and then follow the next step in the instructions.

1. If you have chosen to install the card with the PC turned off, turn the power ON now.

   The new hardware is found, and the driver is automatically loaded.

   Click "Next."

Add New Hardware Wizard
This wizard searches for new drivers for:
NETGEAR-FA411
A device driver is a software program that makes a hardware device work.
[Back] [Next >] [Cancel]

Select "Search for the best driver for your device (Recommended)," and then click "Next."

Add New Hardware Wizard
What do you want Windows to do?
◉ Search for the best driver for your device (Recommended).
○ Display a list of all the drivers in a specific location, so you can select the driver you want.
[Back] [Next >] [Cancel]

2. Select "Floppy disk drives," then click "Next."

Add New Hardware Wizard

Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.

☑ Floppy disk drives
☐ CD-ROM drive
☐ Microsoft Windows Update
☐ Specify a location:

[▼]

[Browse]

[< Back] [Next >] [Cancel]

3. Click "Next" to continue.

Add New Hardware Wizard

Windows driver file search for the device:

NETGEAR FA411 PCMCIA Mobile Adapter

Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.

Location of driver:

🖹 A:\NETFA411.INF

[< Back] [Next >] [Cancel]

4. Insert the Windows 98 CD-ROM and click "OK."

Insert Disk

ⓧ Please insert the disk labeled 'Windows 98 Second Edition CD-ROM', and then click OK.

[OK]

5. Make sure drive D (or the appropriate CD-ROM drive letter) and Win98 appear in the "Copy files from:" prompt line (example, D:\WIN98), and then click "OK."

Copying Files...

The file 'choosusr.dll' on Windows 98 Second Edition CD-ROM cannot be found

Insert Windows 98 Second Edition CD-ROM in the selected drive, and click OK.

Copy files from:
[D:\WIN98   ▼]

[OK]
[Cancel]
[Skip File]
[Details...]

6. Click "Finish."

Add New Hardware Wizard

🖼 NETGEAR FA411 PCMCIA Mobile Adapter

Windows has finished installing the software that your new hardware device requires.
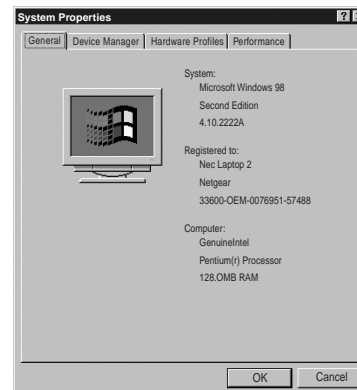
[< Back] [Finish] [Cancel]
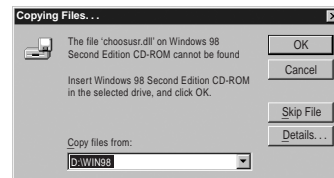
3 REBOOT

Remove the Drivers and Diagnostics Disk from the floppy drive, remove the Windows 98 CD-ROM from the CD-ROM drive, and then click "Yes."

System Settings Change

❓ To finish setting up your new hardware, you must restart your computer.

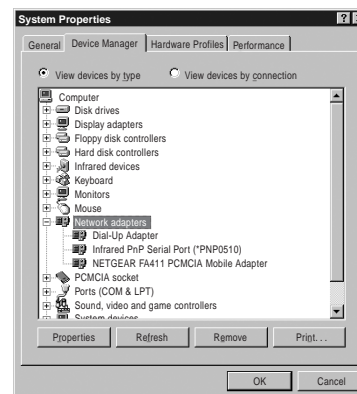Do you want to restart your computer now?

[Yes]   [No]

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4 TEST YOUR NETWORK CONNECTION

To verify your installation:

1. Double-click "My Computer" on the desktop, double-click "Control Panel," and then double-click "System."

System Properties

General | Device Manager | Hardware Profiles | Performance

System:
Microsoft Windows 98
Second Edition
4.10.2222A

Registered to:
Nec Laptop 2
Netgear
33600-OEM-0076951-57488

Computer:
GenuineIntel
Pentium(r) Processor
128.0MB RAM

[OK] [Cancel]

2. Click "Device Manager" tab, and then double-click "Network adapters."

System Properties

General | Device Manager | Hardware Profiles | Performance

⦿ View devices by type   ○ View devices by connection

🖳 Computer
  ⊞ 💾 Disk drives
  ⊞ 🖵 Display adapters
  ⊞ 💾 Floppy disk controllers
  ⊞ 💾 Hard disk controllers
  ⊞ 📁 Infrared devices
  ⊞ ⌨ Keyboard
  ⊞ 🖵 Monitors
  ⊞ 🖱 Mouse
  ⊟ 📶 Network adapters
      🖹 Dial-Up Adapter
      🖹 Infrared PnP Serial Port (*PNP0510)
      🖹 NETGEAR FA411 PCMCIA Mobile Adapter
  ⊞ 📶 PCMCIA socket
  ⊞ 🖨 Ports (COM & LPT)
  ⊞ 🔊 Sound, video and game controllers
  ⊞ 🖥 System devices

[Properties] [Refresh] [Remove] [Print...]

[OK] [Cancel]

3. Double-click "NETGEAR FA411 PCMCIA Mobile Adapter." A message will appear describing the status of the device.

NETGEAR FA411 PCMCIA Mobile Adapter Properties

General | Driver | Resources

🖹 NETGEAR FA411 PCMCIA Mobile Adapter

Device type: Network adapters
Manufacturer: NETGEAR
Hardware version: Not available

Device status
  This device is working properly.

Device usage
  ☐ Disable in this hardware profile
  ☑ Exists in all hardware profiles

[OK] [Cancel]
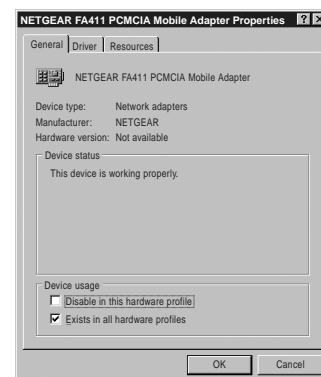
If there is a problem with the installation of the driver, an exclamation point will appear next to the "NETGEAR FA411 PCMCIA Mobile Adapter." Try rebooting your computer. If the problem persists, call 1-888-NETGEAR for free technical support.

5 ENJOY BEING CONNECTED!

With NETGEAR PC cards, your notebook PC becomes compatible with 10 Mbps Ethernet and your migration to 100 Mbps is built in with 10/100 dual-speed technology. Now you're ready to share files and peripherals at either 10 Mbps or 100 Mbps. And help is there when you need it! NETGEAR provides free, 24x7 technical support in English, with selected local language support during office hours.

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Statement of Conditions
In the interest of improving internal design, operational function, and/or reliability, NETGEAR reserves the right to make changes to the products described in this document without notice.

NETGEAR does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Certificate of the Manufacturer/Importer
It is hereby certified that the Model FA411 PCMCIA Mobile Adapter has been suppressed in accordance with the conditions set out in the BMPT-AmtsblVfg 243/1991 and Vfg 46/1992. The operation of some equipment (for example, test transmitters) in accordance with the regulations may, however, be subject to certain restrictions. Please refer to the notes in the operating instructions.

Federal Office for Telecommunications Approvals has been notified of the placing of this equipment on the market and has been granted the right to test the series for compliance with the regulations.

VCCI Statement
This equipment is in the Class B category (information equipment to be used in a residential area or an adjacent area thereto) and conforms to the standards set by the Voluntary Control Council for Interference by Data Processing Equipment and Electronic Office Machines aimed at preventing radio interference in such residential areas.

When used near a radio or TV receiver, it may become the cause of radio interference.

Read instructions for correct handling.

Federal Communications Commission (FCC) Compliance Notice: Radio Frequency Notice
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

⊛ **Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1) Reorient or relocate the receiving antenna, (2) Increase the separation between the equipment and receiver, (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected, (4) Consult the dealer or an experienced radio/TV technician for help.

Declaration of Conformity
NETGEAR Model FA411 PCMCIA Mobile Adapter
FCC Tested to comply with FCC Standards
FOR HOME OR OFFICE USE

EN 55 022 Statement
This is to certify that the Model FA411 PCMCIA Mobile Adapter is shielded against the generation of radio interference in accordance with the application of Council Directive 89/336/EEC, Article 4a. Conformity is declared by the application of EN 55 022 Class B (CISPR 22).

Compliance is dependent upon the use of shielded data cables.

Canadian Department of Communications Radio Interference Regulations
This digital apparatus (Model FA411 PCMCIA Mobile Adapter) does not exceed the Class B limits for radio-noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Règlement sur le brouillage radioélectrique du ministère des Communications
Cet appareil numérique (Model FA411 PCMCIA Mobile Adapter) respecte les limites de bruits radioélectriques visant les appareils numériques de classe B prescrites dans le Règlement sur le brouillage radioélectrique du ministère des Communications du Canada.

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