



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for NETGEAR WNDR3400. You'll find the answers to all your questions on the NETGEAR WNDR3400 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual NETGEAR WNDR3400
User guide NETGEAR WNDR3400
Operating instructions NETGEAR WNDR3400
Instructions for use NETGEAR WNDR3400
Instruction manual NETGEAR WNDR3400

N600 Wireless Dual Band Router WNDR3400 User Manual



NETGEAR

NETGEAR, Inc.
350 E. Plumeria Drive
San Jose, CA 95134 USA

202-10581-02
August 2010
v1.0



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)
<http://yourpdfguides.com/dref/3951708>

Manual abstract:

350 E. @@@@ When the wireless router is connected to the Internet, click the Knowledgebase or the Documentation link under Web Support in the main menu to view support information. Trademarks NETGEAR and the NETGEAR logo are registered trademarks, and Smart Wizard is a trademark of NETGEAR, Inc. in the United States and/or other countries. Microsoft, Windows, and Windows NT are registered trademarks and Windows Vista is a trademark of Microsoft Corporation. Other brand and product names are registered trademarks or trademarks of their respective holders. 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 N600 Wireless Dual Band Router WNDR3400 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. Bestätigung des Herstellers/Importeurs Es wird hiermit bestätigt, daß das N600 Wireless Dual Band Router WNDR3400 gemäß der im BMPT-AmtsblVfg 243/ 1991 und Vfg 46/1992 aufgeführten Bestimmungen entstört ist.

Das vorschriftsmäßige Betreiben einiger Geräte (z.

B. Testsender) kann jedoch gewissen Beschränkungen unterliegen. Lesen Sie dazu bitte die Anmerkungen in der Betriebsanleitung. Das Bundesamt für Zulassungen in der Telekommunikation wurde davon unterrichtet, daß dieses Gerät auf den Markt gebracht wurde und es ist berechtigt, die Serie auf die Erfüllung der Vorschriften hin zu überprüfen. Regulatory Compliance Information This section includes user requirements for operating this product in accordance with National laws for usage of radio spectrum and operation of radio devices.

Failure of the end-user to comply with the applicable requirements may result in unlawful operation and adverse action against the end-user by the applicable National regulatory authority. ii v1.0, August 2010 NOTE: This product's firmware limits operation to only the channels allowed in a particular Region or Country. Therefore, all options described in this user's guide may not be available in your version of the product. Europe EU Declaration of Conformity Marking by the above symbol indicates compliance with the Essential Requirements of the R&TTE Directive of the European Union (1999/5/EC). This equipment meets the following conformance standards: EN300 328 (2.4Ghz), EN301 489-17, EN301 893 (5Ghz), EN60950-1 For complete DoC please visit the NETGEAR EU Declarations of Conformity website at: http://kb.netgear.com/app/answers/detail/a_id/11621/ Europe Declaration of Conformity in Languages of the European Community Cesky [Czech] Dansk [Danish] Deutsch [German] Eesti [Estonian] English Español [Spanish] [Greek] Français [French] Italiano [Italian] Latviski [Latvian] Lietuvi [Lithuanian] NETGEAR Inc. tímto prohlašuje, ze tento Radiolan je ve shode se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Undertegnede NETGEAR Inc. erklærer herved, at følgende udstyr Radiolan overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF. Hiermit erklärt NETGEAR Inc., dass sich das Gerät Radiolan in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet. Käesolevaga kinnitab NETGEAR Inc. seadme Radiolan vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele. Hereby, NETGEAR Inc., declares that this Radiolan is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. Por medio de la presente NETGEAR Inc. declara que el Radiolan cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

NETGEAR Inc. Radiolan 1999/5/. Par la présente NETGEAR Inc. déclare que l'appareil Radiolan est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE. Con la presente NETGEAR Inc.

dichiara che questo Radiolan è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE. Ar so NETGEAR Inc. deklaru, ka Radiolan atbilst Direktivas 1999/5/EK būtiskajm prasbm un citiem ar to saisttajiem noteikumiem. Siuo NETGEAR Inc. deklaruoja, kad sis Radiolan atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

iii v1.0, August 2010 Nederlands [Dutch] Malti [Maltese] Magyar [Hungarian] Polski [Polish] Português [Portuguese] Slovensko [Slovenian] Slovensky [Slovak] Suomi [Finnish] Svenska [Swedish] Íslenska [Icelandic] Norsk [Norwegian] Hierbij verklaart NETGEAR Inc. dat het toestel Radiolan in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG. Hawnhekk, NETGEAR Inc., jiddikjara li dan Radiolan jikkonforma mal-htigijiet essenzjali u ma provvedimenti ohrajn relevanti li hemm fid-Dirrettiva 1999/5/EC. Alulírott, NETGEAR Inc. nyilatkozom, hogy a Radiolan megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak. Niniejszym NETGEAR Inc. oświadczam, że Radiolan jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC. NETGEAR Inc.

declara que este Radiolan está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE. NETGEAR Inc. izjavlja, da je ta Radiolan v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES. NETGEAR Inc. tímto vyhlasuje, že Radiolan spa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES. NETGEAR Inc. vakuuttaa täten että Radiolan tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. Härmed intygar NETGEAR Inc. att denna Radiolan står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)
<http://yourpdfguides.com/dref/3951708>

Hér með lýsir NETGEAR Inc.

yfir því að Radiolan er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC. NETGEAR Inc. erklærar herved at utstyret Radiolan er í samsvar med de grunnleggjende krav og øvrige relevante krav i direktiv 1999/5/EF. This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services. This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France. FCC Requirements for Operation in the United States FCC Information to User This product does not contain any user serviceable components and is to be used with approved antennas only.

Any product changes or modifications will invalidate all applicable regulatory certifications and approvals iv v1.0, August 2010 FCC Guidelines for Human Exposure This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. FCC Declaration Of Conformity We NETGEAR, Inc., 350 East Plumeria Drive, San Jose, CA 95134, declare under our sole responsibility that the model WNDR3400 N600 Wireless Dual Band Router WNDR3400 complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: · · This device may not cause harmful interference, and This device must accept any interference received, including interference that may cause undesired operation. Federal Communication Commission Interference Statement 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 when the equipment is operated in a commercial environment. 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.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. 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 methods: · · · · Reorient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver. Connect the equipment into an electrical outlet on a circuit different from that which the radio receiver is connected. Consult the dealer or an experienced radio/TV technician for help. FCC Caution: · · Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. 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, and (2) this device must accept any interference received, including interference that may cause undesired operation. For product available in the USA market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter. · · Country Code Statement For products available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter. v v1.

0, August 2010 This device is going to the operated in 5.15~5.15GHz frequency range, and is restricted to an indoor environment only. IMPORTANT NOTE: Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user. Canadia.2-12 Using PIN Entry to Add a WPS Client

.....

.....

.....

.....

.....

.....

.....

.....

..2-14 Configuring Advanced WPS Settings

.....

.....

.....

.....

.....

.....

.....

.....

..2-16 Connecting Additional Wireless Client Devices After WPS Setup

.....

.....

.....

...2-17 Adding More WPS Clients ..

.....

.....
.....
.....
.....
.....
.....
.....
.....

.....2-17 Adding Both WPS and Non-WPS Clients .

.....
.....
.....
.....
.....

.2-18 Restricting Access to Your Router

.....
.....
.....
.....
.....
.....
.....
.....

.2-19 Adding Guest Networks

.....
.....
.....
.....
.....
.....
.....
.....

.....2-20 Contents v1.0, August 2010 vii N600 Wireless Dual Band Router WNDR3400 User Manual Chapter 3 Protecting Your Network Protecting Access to Your Wireless Router ..

.....
.....
.....
.....
.....
.....
.....

.3-1 Changing the Built-In Password

.....

.....
.....
.....
.....
.....
.....
.....
.....

.....3-2 Restricting Access by MAC Address

.....
.....
.....
.....
.....
.....
.....
.....

...3-2 Blocking Access to Internet Sites

.....
.....
.....
.....
.....
.....
.....
.....

.3-4 Blocking Access to Internet Services

.....
.....
.....
.....
.....
.....
.....
.....

...3-5 Configuring a User-Defined Service

.....
.....
.....
.....
.....
.....
.....
.....

.3-7 Scheduling Blocking

.....
.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....3-8 Viewing Logs of Web Access or Attempted Web Access .

.....
.....
.....
.....

.....
.....

.3-8 Configuring E-mail Alert and Web Access Log Notifications

.....
.....
.....
.....

.....3-9 Setting the Time ..

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

3-11 Chapter 4 Using Network Monitoring Tools Upgrading the Router Firmware

.....
.....
.....
.....
.....

.....
.....
.....
.....

4-1 Upgrading Automatically to New Router Software

.....
.....
.....
.....
.....

.....
.4-3 Upgrading Manually to New Router Software
.....
.....
.....

.....
.....
.....
.....4-3 Viewing Wireless Router Status Information .

.....
.....
.....
.....
.....
.....
.....
.....

.....4-5 Connection Status
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
4-8 Statistics
.....

.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
.....
.....

4-9 Viewing a List of Attached Devices
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

4-16 Chapter 5 Customizing Your Network Settings Using the LAN Setup Options

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.....5-1 Using the Router as a DHCP Server .

.....
.....
.....
.....
.....
.....
.....

.5-4 Address Reservation

.....
.....
.....
.....
.....
.....
.....

..5-4 Using a Dynamic DNS Service ...

.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
...5-5 Contents v1.
0, August 2010 viii N600 Wireless Dual Band Router WNDR3400 User Manual Configuring the WAN Setup Options
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
...5-7 Setting Up a Default DMZ Server

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
5-8 Configuring Static Routes

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....5-9 Allowing Inbound Connections to Your Network

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
...5-11 How Your Computer Accesses a Remote Computer through Your Router .



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)
<http://yourpdfguides.com/dref/3951708>

.....

.....5-11 How Port Triggering Changes the Communication Process

.....

.....

.....

.....5-13 How Port Forwarding Changes the Communication Process ..

.....

.....

.....

.....

5-14 How Port Forwarding Differs from Port Triggering

.....

.....

.....

.....

.....

.....5-15 Configuring Port Forwarding to Local Servers .

.....

.....

.....

.....

.....

.....

.....

.....

5-16 Adding a Custom Service

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....5-17 Editing or Deleting a Port Forwarding Entry ..

.....

.....

.....

.....

.....

.....

.....

.....5-18 Configuring Port Triggering ...

.....

.....

.....

.....

.....

.....

.....

.....

.....
.....
.....
.....5-18 Wireless Repeating (Also Called WDS) ...

.....
.....
.....
.....
.....
.....
.....
.....

.....5-22 Wireless Repeating Function ..

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.....5-23 Setting Up the Base Station .

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

..5-24 Setting Up a Repeater Unit

.....
.....
.....
.....
.....
.....
.....

.....
.....
.....5-26 Chapter 6 Fine-Tuning Your Network Assessing Your Speed Requirements

.....
.....
.....
.....
.....
.....

.....
.....

..6-2 Optimizing Your Network Bandwidth

.....
.....
.....

.....
.....
.....

.....
.....
.....

6-3 Optimizing Wireless Performance

.....
.....
.....

.....
.....
.....

..6-5 Changing the MTU Size ...

.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

....6-6 Quality of Service (QoS) .

.....
.....

.....
.....

.....
.....
.....

.....
.....
.....

.....6-7 Using WMM QoS for Wireless Multimedia Applications

.....
.....
.....

.....6-8 Configuring QoS for Internet Access .

.....
.....
.....

.....
.....
.....

.....
.....
.....

.6-8 Universal Plug and Play

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....6-13 Chapter 7 USB Storage USB Drive Requirements

.....
.....
.....

.....
.....
.....

.....
.....
.....

.7-1 File Sharing Scenarios

.....
.....
.....

.....
.....
.....

.....
.....
.....

7-2 USB Storage Basic Settings

.....
.....
.....

.....
.....
.....

.....
.....
.....
.....

.....
.7-4 Editing a Network Folder

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.7-6 Configuring USB Storage Advanced Settings

.....
.....

.....
.....
.....
.....

.....
.....

7-7 Creating a Network Folder

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....

..7-9 ReadyShare Access ...

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.....7-10 Specifying Approved USB Devices ...

.....
.....
.....
.....
.....
.....
.....
.....

7-11 Connecting to the USB Drive from a Remote Computer

.....
.....
.....
.....
.....

.7-12 Locating the Internet Port IP Address

.....
.....
.....
.....
.....
.....
.....

.....7-12 Accessing the Router's USB Drive Remotely Using FTP .

.....
.....
.....
.....
.....

..7-12 Connecting to the USB Drive with Microsoft Network Settings ...

.....
.....
.....
.....

...7-12 Enabling File and Printer Sharing

.....
.....
.....
.....

.....
.....
.....
.....

.....7-13 Chapter 8 Troubleshooting Quick Tips ...

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....8-1 Troubleshooting Basic Functions

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....8-3 Cannot Access the Router Main Menu .

.....
.....
.....
.....

.....
.....
.....
.....

...8-4 Cannot Access the Internet .

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.8-5 Troubleshooting a Network Using the Ping Utility

.....
.....
.....
.....
.....

...8-6 Testing the LAN Path to Your Router .

.....
.....
.....
.....
.....

.....8-7 Testing the Path from Your Computer to a Remote Device

.....
.....
.....
.....

..8-8 Problems with Date and Time

.....
.....
.....
.....
.....
.....
.....
.....
.....

8-8 Wireless Connectivity

.....
.....
.....
.....
.....
.....
.....
.....
.....

.8-9 Using Your Wireless Card Setup Program

.....
.....
.....
.....
.....

.....
....8-9 Setting Up and Testing Basic Wireless Connectivity .
.....

.....8-10 Restoring the Default Configuration and Password .
.....

...8-14 Appendix A Default Configuration and Technical Specifications Restoring the Default Factory Configuration Settings

.....
.... A-1 Technical Specifications .
.....

A-3 Appendix B Related Documents Index Contents v1.0, August 2010 x N600 Wireless Dual Band Router WNDR3400 User Manual About This Manual The user manual provides information for configuring the features of the NETGEAR® N600 Wireless Dual Band Router WNDR3400 beyond initial configuration settings. Initial configuration instructions can be found in the NETGEAR Wireless Router Setup Manual. You should have basic to intermediate computer and Internet skills. Conventions, Formats, and Scope The conventions, formats, and scope of this manual are described in the following paragraphs: ·
Typographical conventions. This manual uses the following typographical conventions: *Italic* **Bold** Fixed *Italic* Emphasis, books, CDs User input, IP addresses, GUI screen text Command prompt, CLI text, code URL links · Formats. This manual uses the following formats to highlight special messages: Note: This format is used to highlight information of importance or special interest. Tip: This format is used to highlight a procedure that will save time or resources. Warning: Ignoring this type of note might result in a malfunction or damage to the equipment, a breach of security, or a loss of data. xi v1.

0, August 2010 N600 Wireless Dual Band Router WNDR3400 User Manual · Scope. This manual is written for the WNDR3400 router according to these specifications: Product Version Manual Publication Date N600 Wireless Dual Band Router WNDR3400 August 2010 For more information about network, Internet, firewall, and VPN technologies, see the links to the NETGEAR website in Appendix B, "Related Documents." Note: Product updates are available on the NETGEAR, Inc. website at <http://www.netgear.com/support> How to Print This Manual To print this manual, your computer must have the free Adobe Acrobat reader installed in order to view and print PDF files. The Acrobat reader is available on the Adobe Web site at <http://www.adobe.com>. Tip: If your printer supports printing two pages on a single sheet of paper, you can save paper and printer ink by selecting this feature. Revision History NETGEAR, Inc. is constantly searching for ways to improve its products and documentation. The following table indicates any changes that might have been made since the WNDR3400 router was introduced. Table 1-1. Publication Revision History Version v1.

0 Date August 2010 Description Original publication. xii v1.0, August 2010 N600 Wireless Dual Band Router WNDR3400 User Manual Chapter 1 Configuring Your Internet Connection This chapter describes how to configure your WNDR3400 router Internet connection. When you install your wireless router using the Resource CD as described in the NETGEAR Router Setup Manual, these settings are configured automatically for you. This chapter provides instructions on how to log in to the wireless router for further configuration. Note: NETGEAR recommends using the Smart Wizard™ on the Resource CD for initial configuration, as described in the NETGEAR Wireless Router Setup Manual. This chapter includes: · "Using the Setup Manual" · "Logging In to Your Wireless Router" on page 1-2 · "Selecting a Language for Your Screen

Display" on page 1-4 · "Using the Setup Wizard" on page 1-6 · "Viewing or Manually Configuring Your ISP Settings" on page 1-6 Using the Setup Manual For first-time installation of your wireless router, refer to the NETGEAR Router Setup Manual. The Setup Manual explains how to launch the NETGEAR Smart Wizard on the Resource CD to step you through the procedure to connect your router, modem, and computers. The Smart Wizard will assist you in configuring your and enabling wireless security for your network. After initial configuration using the Setup Manual, you can use the information in this Reference Manual to configure additional features of your wireless router. For installation instructions in a language other than English, see the language options on the Resource CD. Configuring Your Internet Connection v1.0, August 2010 1-1 N600 Wireless Dual Band Router WNDR3400 User Manual Logging In to Your Wireless Router You can log in to the wireless router to view or change its settings. Note: Your computer must be configured for DHCP. For help with configuring DHCP, see the documentation that came with your computer or see the link to the online document in "Preparing Your Network" in Appendix B.

To log in to the wireless router: 1. Type <http://www.routerlogin.net>, or <http://www.routerlogin.com>, or the router's LAN IP address (default is 192.168.1.1) in the address field of your browser, and then press Enter. A login window displays: Figure 1-1 2.

Enter admin for the router user name and your password (or the default, password). For information about how to change the password, see "Changing the Built-In Password" on page 3-2.



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](#)

<http://yourpdfguides.com/dref/3951708>

Note: The router user name and password are not the same as any other user name or password you might use to log in to your Internet connection. Configuring Your Internet Connection v1.0, August 2010 1-2 N600 Wireless Dual Band Router WNDR3400 User Manual The Checking for Firmware Updates screen displays unless you previously cleared the Check for Updated Firmware Upon Log-in check box.

Figure 1-2 If the router discovers a newer version of the software, you are asked if you want to upgrade to the new software (see "Upgrading the Router Firmware" on page 4-1 for details). If no new firmware is available, the following message displays. Figure 1-3 Configuring Your Internet Connection v1.0, August 2010 1-3 N600 Wireless Dual Band Router WNDR3400 User Manual 3. The Basic Settings screen displays showing the wireless router's settings. Figure 1-4 If the wireless router is connected to the Internet, you can click the Knowledge Base link or the Documentation link under Web Support to view support information or the documentation for the wireless router. If you do not click Logout, the wireless router waits for 5 minutes after no activity before it automatically logs you out. Selecting a Language for Your Screen Display Using the Select Language drop-down menu, located in the upper right corner of the Router Manager screen, you can display the router manager screens in any of languages shown in Figure 1-5: Configuring Your Internet Connection v1.0, August 2010 1-4 N600 Wireless Dual Band Router WNDR3400 User Manual Figure 1-5 The language is set to English by default. The default language, as well as German, Russian, and Portuguese are always stored in memory. When you select a language other than those automatically stored in flash memory, if you are connected to the Internet at the time you select it, that language is also stored in memory. · If you are connected to the Internet and select a language that is not already stored in flash memory, the language is downloaded from the NETGEAR server and stored in the current language partition of flash memory. If you are not connected to the Internet when you select a language, you can only select as the current language one of the languages that is stored in flash memory. · To specify a language to be used on your router manager screens, do the following: 1. Expand the list and select the language you want.

2. Click Apply. Configuring Your Internet Connection v1.0, August 2010 1-5 N600 Wireless Dual Band Router WNDR3400 User Manual The language you select is then downloaded and displayed in the language selection box, and your screen display will be in the selected language. Note: If you are not connected to the Internet and select a language that is not stored in flash memory, your selection may fail. If you see a "download fails" message after your language selection, make sure you are connected to the Internet and make your selection again. Using the Setup Wizard You can manually configure your Internet connection using the Basic Settings screen, or you can allow the Smart Setup Wizard to detect your Internet connection. The Smart Setup Wizard searches your Internet connection for servers and protocols to determine your ISP configuration. This feature is not the same as the Smart Wizard on the Resource CD that is used for installation. To use the Smart Setup Wizard to assist with configuration or to verify the Internet connection settings, follow this procedure: 1.

From the top of the main menu, select Setup Wizard. 2. Select Yes for the Auto-Detect Connection Type, and then click Next to proceed. 3. Enter your ISP settings, as needed.

4. At the end of the Setup Wizard, click Test to verify your Internet connection. If you have trouble connecting to the Internet, see Chapter 8, "Troubleshooting." Viewing or Manually Configuring Your ISP Settings To view or configure the basic settings: 1. Log in to the wireless router as described in "Logging In to Your Wireless Router" on page 1-2.

2. On the Basic Settings screen, select Yes or No depending on whether your ISP requires a login. This selection changes the fields available on the Basic Settings screen. · Yes. If your ISP requires a login, select the encapsulation method. Enter the login name. If you want to change the login time-out, enter a new value in minutes. No. If your ISP does not require a login, enter the account name, if required, and the domain name, if required. 1-6 v1.

0, August 2010 Configuring Your Internet Connection N600 Wireless Dual Band Router WNDR3400 User Manual 3. Enter the settings for the IP address and DNS server. If you enter or change a DNS address, restart the computers on your network so that these settings take effect. 4. If no login is required, you can specify the MAC Address setting. 5. Click Apply to save your settings. 6. Click Test to test your Internet connection. If the NETGEAR website does not appear within one minute, see Chapter 8, "Troubleshooting".

When your Internet connection is working, you do not need to launch the ISP's login program on your computer to access the Internet. When you start an Internet application, your wireless router automatically logs you in. The fields that are displayed depend on whether or not your Internet connection requires a login. ISP does not require login ISP does require login Figure 1-6 The following table explains the fields in the Basic Settings screen. Configuring Your Internet Connection v1.

0, August 2010 1-7 N600 Wireless Dual Band Router WNDR3400 User Manual Table 1-1. Basic Settings screen fields Settings Does Your ISP Require a Login? These fields Account Name appear only if no (If required) login is required. Domain Name (If required) Description · Yes · No Enter the account name provided by your ISP. This might also be called the host name. Enter the domain name provided by your ISP.

Internet Service Provider · PPTP (Point to Point Tunneling Protocol). This is used These fields primarily in Austrian DSL services. appear only if · Other. This is the default setting. It is for PPPoE (Point to your ISP Point Protocol over Ethernet), the protocol used by most requires a login. DSL services worldwide. Login Password Service Name Connection Mode The login name provided by your ISP. This is often an e-mail address. The password provided by your ISP. If your ISP provided a Service Name, enter it here.

Specify when the router will connect to and disconnect from the Internet. · Always On. The router logs in to the Internet immediately after booting and never disconnects. · Dial on Demand. The router logs in only when outgoing traffic is present and logs out after the idle time-out. · Manually Connect. The router logs in or logs out only when you click Connect or Disconnect in the Router Status screen. Idle Timeout (In minutes) If you want to change the Internet login time-out, enter a new value in minutes.



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)
<http://yourpdfguides.com/dref/3951708>

This determines how long the wireless router keeps the Internet connection active after there is no Internet activity from the LAN. Entering an Idle Timeout value of 0 (zero) means never log out.

Internet IP Address · Get Dynamically from ISP. Your ISP uses DHCP to assign your IP address. Your ISP automatically assigns these addresses. · Use Static IP Address. Enter the IP address that your ISP assigned.

Also enter the IP subnet mask and the gateway IP address. The gateway is the ISP's wireless router to which your wireless router will connect. Configuring Your Internet Connection v1.0, August 2010 1-8 N600 Wireless Dual Band Router WNDR3400 User Manual Table 1-1. Basic Settings screen fields (continued) Settings Domain Name Server (DNS) Address Description The DNS server is used to look up site addresses based on their names.

· Get Automatically from ISP. Your ISP uses DHCP to assign your DNS servers. Your ISP automatically assigns this address. · Use These DNS Servers. If you know that your ISP does not automatically transmit DNS addresses to the wireless router during login, select this option, and enter the IP address of your ISP's primary DNS server. If a secondary DNS server address is available, enter it also. The Ethernet MAC address that will be used by the wireless router on the Internet port. Some ISPs register the Ethernet MAC address of the network interface card in your computer when your account is first opened. They will then accept traffic only from the MAC address of that computer. This feature allows your wireless router to masquerade as that computer by "cloning" its MAC address.

· Use Default Address. Use the default MAC address of the router (normally the LAN MAC address). · Use Computer MAC Address. The wireless router will capture and use the MAC address of the computer that you are now using. You must be using the one computer that is allowed by the ISP. · Use This MAC Address. Enter the MAC address that you want to use. This field appears only if no login is required. Router MAC Address Configuring Your Internet Connection v1.0, August 2010 1-9 Chapter 2 Safeguarding Your Network For a wireless connection, the SSID, also called the wireless network name, and the wireless security setting must be the same for the wireless router and wireless computers or wireless adapters.

NETGEAR strongly recommends that you use wireless security. Warning: Computers can connect wirelessly at a range of several hundred feet. This can allow others outside of your immediate area to access your network. This chapter includes: · · · · "Planning Your Wireless Network" "Manually Configuring Your Wireless Settings" on page 2-4 "Using Push 'N' Connect (WPS) to Configure Your Wireless Network" on page 2-11 "Connecting Additional Wireless Client Devices After WPS Setup" on page 2-17 "Restricting Access to Your Router" on page 2-19 · "Adding Guest Networks" on page 2-20 Note: For information about restricting access to USB storage devices, see "Configuring USB Storage Advanced Settings" on page 7-7. Planning Your Wireless Network For compliance and compatibility between similar products in your area, the operating channel and region must be set correctly.

To configure the wireless network, you can either specify the wireless settings, or you can use WiFi Protected Setup (WPS) to automatically set the SSID and implement WPA/WPA2 security. · To manually configure the wireless settings, you must know the following: 2-1 v1.0, August 2010 N600 Wireless Dual Band Router WNDR3400 User Manual SSID. The default SSID for the wireless router is NETGEAR. The wireless radio frequency (2.

4GHz or 5GHz) that each wireless adapter supports. Wireless security option. To successfully implement wireless security, check each wireless adapter to determine which wireless security option it supports. See "Manually Configuring Your Wireless Settings" on page 2-4. · Push 'N' Connect (WPS) automatically implements wireless security on the wireless router while, at the same time, allowing you to automatically implement wireless security on any WPS-enabled devices (such as wireless computers and wireless adapter cards). You activate WPS by pressing a WPS button on the wireless router, clicking an onscreen WPS button, or entering a PIN number. This generates a new SSID and implements WPA/WPA2 security. Note: NETGEAR's Push 'N' Connect feature is based on the Wi-Fi Protected Setup (WPS) standard (for more information, see <http://www.wi-fi.org>).

All other WiFi-certified and WPS-capable products should be compatible with NETGEAR products that implement Push 'N' Connect. To set up your wireless network using the WPS feature: Use dome on top of the wireless router (there is also an onscreen WPS button), or enter the PIN of the wireless device. Make sure that all wireless computers and wireless adapters on the network are Wi-Fi certified and WPA or WPA 2 capable, and that they support WPS configuration. See "Using Push 'N' Connect (WPS) to Configure Your Wireless Network" on page 2-11. Wireless Placement and Range Guidelines The range of your wireless connection can vary significantly based on the physical placement of the wireless router. The latency, data throughput performance, and notebook power consumption of wireless adapters also vary depending on your configuration choices. For best results, place your wireless router according to the following guidelines: · · · · Near the center of the area in which your PCs will operate. In an elevated location such as a high shelf where the wirelessly connected PCs have line-of-sight access (even if through walls). Away from sources of interference, such as PCs, microwave ovens, and 2.4 GHz cordless phones.

Away from large metal surfaces. 2-2 v1.0, August 2010 Safeguarding Your Network N600 Wireless Dual Band Router WNDR3400 User Manual · · Put the router in a vertical position to provide the best side-to-side coverage. Put the router in a horizontal position to provide the best up-and-down coverage. If using multiple access points, it is better if adjacent access points use different radio frequency channels to reduce interference.

The recommended channel spacing between adjacent access points is 5 channels (for example, use Channels 1 and 6, or 6 and 11). The time it takes to establish a wireless connection can vary depending on both your security settings and placement. WEP connections can take slightly longer to establish. Also, WEP encryption can consume more battery power on a notebook computer. Wireless Security Options Indoors, computers can connect over 802.

11g wireless networks at a maximum range of up to 300 feet.



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)

<http://yourpdfguides.com/dref/3951708>

Such distances can allow for others outside your immediate area to access your network. Unlike wired network data, your wireless data transmissions can extend beyond your walls and can be received by anyone with a compatible adapter. For this reason, use the security features of your wireless equipment. WNDR3400 router provides highly effective security features which are covered in detail in this chapter. Deploy the security features appropriate to your needs. There are several ways you can enhance the security of your wireless network: Wireless data security options Range: up to 300 foot radius 1) Open system: easy, but no security. 2) WEP: security, but some performance impact. 3) WPA-PSK: strong security. 4) WPA2-PSK: very strong security.

Figure 2-1 · WEP. Wired Equivalent Privacy (WEP) data encryption provides data security. WEP Shared Key authentication and WEP data encryption block all but the most determined eavesdropper. This data encryption mode has been superseded by WPA-PSK and WPA2-PSK. WPA-PSK (TKIP), WPA2-PSK (AES). Wi-Fi Protected Access (WPA) using a pre-shared key to perform authentication and generate the initial data encryption keys. The very strong authentication along with dynamic per frame re-keying of WPA makes it virtually impossible to compromise. · Safeguarding Your Network v1.0, August 2010 2-3 N600 Wireless Dual Band Router WNDR3400 User Manual For more information about wireless technology, see the link to the online document in "Wireless Networking Basics" in Appendix B. Manually Configuring Your Wireless Settings You can view or manually configure the wireless settings for the wireless router in the Wireless Settings screen.

If you want to make changes, make sure to note the current settings first. Note: If you use a wireless computer to change the wireless network name (SSID) or wireless security settings, you will be disconnected when you click Apply. To avoid this problem, use a computer with a wired connection to access the wireless router. To view or manually configure the wireless settings: 1. Log in to the wireless router at its default LAN address of <http://www.routerlogin.net> with its default user name of admin, and default password of password, or using whatever password and LAN address you have chosen for the wireless router. Safeguarding Your Network v1.0, August 2010 2-4 N600 Wireless Dual Band Router WNDR3400 User Manual 2. Select Wireless Settings from the main menu to display the Wireless Settings screen: Figure 2-2 The settings for this screen are explained in Table 2-1 on page 2-6. 3. Select the region in which the wireless router will operate. 4. For initial configuration and test, leave the other settings unchanged. 5. To save your changes, click Apply. Safeguarding Your Network v1.0, August 2010 2-5 N600 Wireless Dual Band Router WNDR3400 User Manual 6. Configure and test your computers for wireless connectivity. Program the wireless adapter of your computers to have the same SSID and wireless security settings as your wireless router.

Check that they have a wireless link and are able to obtain an IP address by DHCP from the wireless router. If there is interference, adjust the channel. Table 2-1. Wireless Settings Settings Region Selection Description The location where the router is used. Select from the countries in the drop-down list. Note: In the US, the region is pre-selected as the United States. Enable SSID Broadcast The SSID of any wireless access adapter must match the SSID you configure in the wireless router. If they do not match, you will not get a wireless connection to the wireless router. Clear this check box to disable broadcast of the SSID, so that only devices that know the correct SSID can connect. Disabling SSID broadcast nullifies the wireless network discovery feature of some products such as Windows XP.

This is the wireless network name. Enter a 32-character (maximum) name in this field. This field is case-sensitive. In a setting where there is more than one wireless network, different wireless network names provide a means for separating the traffic. Any device that you want to participate in a wireless network must use the SSID.

The wireless channel fields determine the operating frequency used for the 11N or 11G wireless networks. Do not change the wireless channel unless you experience interference (shown by lost connections or slow data transfers). If this happens, you might need to experiment with different channels to see which is the best. Specify the wireless mode to be used. The options are: · Up to 54 Mbps.

Legacy mode, using a maximum speed of up to 54 Mbps for b/g networks. · Up to 145 Mbps. Neighbor friendly mode, for reduced interference with neighboring wireless networks. Provides two transmission streams with different data on the same channel at the same time, but also allows 802.11b and 802.11g wireless devices. This is the default value for the 2.4 GHz b/g/n wireless network. · Up to 300 Mbps. Performance mode, using a maximum Wireless-N speed of up to 300 Mbps.

This is the default value for the 5 GHz a/n wireless network. Wireless Network (for 2.4 GHz b/g/n and 5 GHz a/n) Name (SSID) Channel Mode Safeguarding Your Network v1.0, August 2010 2-6 N600 Wireless Dual Band Router WNDR3400 User Manual Table 2-1. Wireless Settings (continued) Settings Security Options Description · None. You can use this setting to establish wireless connectivity before implementing wireless security. NETGEAR strongly recommends that you implement wireless security. · WEP (Wired Equivalent Privacy). Use encryption keys and data encryption for data security. Select 64-bit or 128-bit encryption.

See "Configuring WEP Wireless Security." When you select this option, these additional areas appear on your screen: · Security Encryption (WEP). Select the Authentication Type (Automatic or Shared Key) and the Encryption Strength (64 bit or 128 bit). Security Encryption (WEP) Key. Enter the Passphrase, select a key, and click Generate.

· WPA-PSK [TKIP] (WiFi Protected Access Pre-Shared Key). Allow only computers configured with WPA to connect to the wireless router. When you select this option, this additional area appears on your screen: · Security Options (WPA-PSK). Enter the WPA passphrase (Network key). The passphrase must be between 8 and 63 ASCII characters or exactly 64 hex digits.

· WPA2-PSK [AES] (Wi-Fi Protected Access with 2 Pre-Shared Keys). Allow only computers configured with WPA2 to connect to the wireless router. When you select this option, this additional area appears on your screen: · Security Options (WPA2-PSK). Enter the WPA passphrase (Network key). The passphrase must be between 8 and 63 ASCII characters or exactly 64 hex digits. · WPA-PSK [TKIP] + WPA2-PSK [AES]. Allow computers configured with either WPA-PSK or WPA2-PSK security to connect to the wireless router.



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)
<http://yourpdfguides.com/dref/3951708>

When you select this option, this additional area appears on your screen: · Security Options (WPA-PSK + WPA2-PSK). Enter the WPA passphrase (Network key). The passphrase must be between 8 and 63 ASCII characters or exactly 64 hex digits.

Safeguarding Your Network v1.0, August 2010 2-7 N600 Wireless Dual Band Router WNDR3400 User Manual Configuring WEP Wireless Security Note: If you use a wireless computer to configure wireless security settings, you will be disconnected when you click Apply. Reconfigure your wireless computer to match the new settings, or access the wireless router from a wired computer to make further changes. To configure WEP data encryption: 1. Log in to the wireless router at its default LAN address of <http://www.routerlogin.net> with its default user name of admin, and default password of password, or using whatever password and LAN address you have chosen for the wireless router. 2. From the main menu, select Wireless Settings to display the Wireless Settings screen. Note: On this screen, you specify wireless settings for both wireless networks: the 2.

4 GHz and the 5 GHz. 3. Set the Security Options for the 2.4 GHz network first by selecting the WEP radio button in the Security Options section: Figure 2-3 Safeguarding Your Network v1.0, August 2010 2-8 N600 Wireless Dual Band Router WNDR3400 User Manual 4.

Select the Authentication Type: Automatic or Shared Key. Note: The authentication scheme is separate from the data encryption. You can select an automatic authentication scheme, which may not run authentication, but still leaves the data transmissions encrypted. If you require strong security, use both the Shared Key and WEP encryption settings. 5.

Select the Encryption Strength setting: · WEP 64-bit encryption. Enter 10 hexadecimal digits (any combination of 09, af, or AF). · WEP 128-bit encryption. Enter 26 hexadecimal digits (any combination of 09, af, or AF). 6. Enter the encryption keys. You can manually or automatically program the four data encryption keys. These values must be identical on all computers and access points in your network: Passphrase. To use a passphrase to generate the keys, enter a passphrase, and click Generate. This automatically creates the keys.

Wireless stations must use the passphrase or keys to access the wireless router. Note: Not all wireless adapters support passphrase key generation. Key 1 Key 4. These values are not case-sensitive. You can manually enter the four data encryption keys. These values must be identical on all computers and access points in your network. Enter 10 hexadecimal digits (any combination of 09, af, or AF). 7. Select which of the four keys will be the default. Data transmissions are always encrypted using the default key.

The other keys can be used only to decrypt received data. The four entries are disabled if WPA-PSK or WPA authentication is selected. 8. Specify the wireless setting for the 5 GHz wireless network the same as you did for the 2.4 GHz wireless network.

9. Click Apply to save your settings. Safeguarding Your Network v1.0, August 2010 2-9 N600 Wireless Dual Band Router WNDR3400 User Manual Configuring WPA, WPA2, or WPA/WPA2 Wireless Security To set up wireless security, you can either manually configure it in the Wireless Settings screen, or you can use Wi-Fi Protected Setup (WPS) to automatically set the SSID and implement WPA/ WPA2 security (see "Using Push 'N' Connect (WPS) to Configure Your Wireless Network" on page 2-11. Both WPA and WPA2 provide strong data security.

WPA with TKIP is a software implementation that can be used on Windows systems with Service Pack 2 or later. NETGEAR recommends using WPA2 with AES, which provides the strongest security. WPA2 with AES is a hardware implementation; see your device documentation before implementing it. Consult the product documentation for your wireless adapter for instructions for configuring WPA settings. Note: If you use a wireless computer to configure wireless security settings, you will be disconnected when you click Apply. If this happens, reconfigure your wireless computer to match the new settings, or access the wireless router from a wired computer to make further changes. To configure WPA or WPA2 in the wireless router: 1. Log in to the wireless router at its default LAN address of <http://www.routerlogin.net> with its default user name of admin and default password of password, or using whatever password and LAN address you have chosen for the wireless router.

2. Select Wireless Settings from the main menu. Safeguarding Your Network v1.0, August 2010 2-10 N600 Wireless Dual Band Router WNDR3400 User Manual 3. On the Wireless Setting screen, select the radio button for the WPA or WPA2 option of your choice. Figure 2-4 4. The settings displayed on the screen depend on which security option you select. 5. For WPA-PSK or WPA2-PSK, enter the passphrase. 6.

To save your settings, click Apply. Using Push 'N' Connect (WPS) to Configure Your Wireless Network If your wireless clients support Wi-Fi Protected Setup (WPS), you can use this feature to configure the wireless router's SSID and security settings and, at the same time, connect the wireless client securely and easily to the wireless router. Look for the symbol on your client device Safeguarding Your Network v1.0, August 2010 2-11 N600 Wireless Dual Band Router WNDR3400 User Manual (computers that will connect wirelessly to the wireless router are clients). WPS automatically configures the network name (SSID) and wireless security settings for the wireless router (if the wireless router is in its default state) and broadcasts these settings to the wireless client.

Note: NETGEAR's Push 'N' Connect feature is based on the Wi-Fi Protected Setup (WPS) standard (for more information, see <http://www.wi-fi.org>). All other Wi-Fi certified and WPS-capable products should be compatible with NETGEAR products that implement Push 'N' Connect. Some considerations regarding WPS are: · WPS supports these types of wireless security: None, WPA-PSK, WPA2-PSK, and WEP (with the authentication type set to Automatic on the Wireless Settings screen).

WEP security with shared key authentication is not supported by WPS. If your wireless network will include a combination of WPS capable devices and non-WPS capable devices, NETGEAR suggests that you set up your wireless network and security settings manually first, and use WPS only for adding additional WPS capable devices. See "Adding Both WPS and Non-WPS Clients" on page 2-18. Using the Push Button (Dome). The top of the wireless router includes a dome. The dome acts as a push-button for the router to enable WPS security with other WPS-enabled devices. Pushing on the dome for over 5 seconds opens a 2-minute window for the router to connect with other WPS-enabled devices. There is also an onscreen WPS button.



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)
<http://yourpdfguides.com/dref/3951708>

Either of these are the preferred methods. See the following section, "Using a WPS Button to Add a WPS Client" on page 2-12.

Entering a PIN. For information about using the PIN method, see "Using PIN Entry to Add a WPS Client" on page 2-14. A WPS client can be added using the Push Button method or the PIN method. Using a WPS Button to Add a WPS Client Any wireless computer or wireless adapter that will connect to the wireless router wirelessly is a client. The client must support a WPS button, and must have a WPS configuration utility, such as the NETGEAR Smart Wizard or Atheros Jumpstart. To connect a device using WPS by Dome: 1. Open the networking utility of the WPS device to which you want to connect. 2. Push the dome on the wireless router for 5 seconds, then release. The dome lights will start to blink.

Safeguarding Your Network v1.0, August 2010 2-12 N600 Wireless Dual Band Router WNDR3400 User Manual 3. While the dome lights are blinking, you have two minutes to enable WPS on the device you are connecting to. (While the router is in WPS enable mode (a maximum of 2 minutes), wireless security is not enabled.) The blinking ceases when one of these two conditions occurs: WPS has enabled security between the router and the other device.

The router has generated an SSID, implemented WPA/WPA2 wireless security (including a PSK security password) on the router and has sent this configuration to the wireless client. The 2-minute window period expires for establishing a connection using WPS. Whether or not a connection is established, your router security and SSID (wireless network name) are now configured for WPA/WPA2 security. The dome lights will stop blinking or turn off, depending on how you have them configured. 4.

Be sure to note the new SSID and WPA/WPA2 password for the wireless network. To connect a device using the onscreen WPS button: 1. Log in to the wireless router at its default LAN address of <http://www.routerlogin.net> with its default user name of admin and default password of password, or using whatever LAN address and password you have set up. 2. On the wireless router main menu, select Add a WPS Client, and then click Next. The following screen displays: WPS button Figure 2-5 By default, the Push Button (recommended) radio button is selected. 3. Either press the WPS button on the side of the wireless router, or click the onscreen button.

The wireless router tries to communicate with the client for 2 minutes. 4. Go to the client wireless computer, and run a WPS configuration utility. Follow the utility's instructions to click a WPS button. 5. Go back to the wireless router screen to check for a message. Safeguarding Your Network v1.0, August 2010 2-13 N600 Wireless Dual Band Router WNDR3400 User Manual The wireless router WPS screen displays a message confirming that the client was added to the wireless network. The wireless router generates an SSID, and implements WPA/WPA2 wireless security. The wireless router will keep these wireless settings unless you change them, or you clear the Keep Existing Wireless Settings check box in the WPS Settings screen.

Figure 2-6 6. Note the new SSID and WPA/WPA2 password for the wireless network. You can view these settings in the Wireless Settings screen. See "Manually Configuring Your Wireless Settings" on page 2-4. To access the Internet from any computer connected to your wireless router, launch a browser such as Microsoft Internet Explorer or Mozilla Firefox.

You should see the wireless router's Internet LED blink, indicating communication to the ISP. Note: If no WPS-capable client devices are located during the 2-minute time frame, the SSID will not be changed, and no security will be implemented on the wireless router. Using PIN Entry to Add a WPS Client Any wireless computer or wireless adapter that will connect to the wireless router wirelessly is a client. The client must support a WPS PIN, and must have a WPS configuration utility, such as the NETGEAR Smart Wizard or Atheros Jumpstart. The first time you add a WPS client, make sure that the Keep Existing Wireless Settings check box on the WPS Settings screen is cleared.

This is the default setting for the wireless router, and allows it to generate the SSID and WPA/WPA2 security settings when it implements WPS. After WPS is implemented, the wireless router automatically selects this check box so that your SSID and wireless security settings remain the same if other WPS-enabled devices are added later. Safeguarding Your Network v1.0, August 2010 2-14 N600 Wireless Dual Band Router WNDR3400 User Manual To use a PIN to add a WPS client: 1. Log in to the wireless router at its default LAN address of <http://www.routerlogin.net> with its default user name of admin and default password of password, or using whatever LAN address and password you have set up. 2. On the wireless router main menu, select Add a WPS Client (computers that will connect wirelessly to the wireless router are clients), and then click Next. The Add WPS Client screen displays: Figure 2-7 3.

Select the PIN Number radio button. 4. Go to the client wireless computer. Run a WPS configuration utility. Follow the utility's instructions to generate a PIN. Take note of the client PIN. 5. From the wireless router Add WPS Client screen, enter the client PIN number, and then click Next. The wireless router tries to communicate with the client for 4 minutes. The wireless router WPS screen displays a message confirming that the client was added to the wireless network.

The wireless router generates an SSID, and implements WPA/WPA2 wireless security. 6. Note the new SSID and WPA/WPA2 password for the wireless network. You can view these settings in the Wireless Settings screen. See "Manually Configuring Your Wireless Settings" on page 2-4 To access the Internet from any computer connected to your wireless router, launch a browser such as Microsoft Internet Explorer or Mozilla Firefox.

You should see the wireless router's Internet LED blink, indicating communication to the ISP. Note: If no WPS-capable client devices are located during the 4-minute time frame, the SSID will not be changed and no security will be implemented on the wireless router. Safeguarding Your Network v1.0, August 2010 2-15 N600 Wireless Dual Band Router WNDR3400 User Manual Configuring Advanced WPS Settings From the Advanced menu, select Wireless Settings to display the following screen: Figure 2-8 The WPS Settings area displays the wireless router PIN, and allows you to Disable Router's PIN and the Keep Existing Wireless Settings for either wireless network (2.4GHz or 5GHz).

By default, both Keep Existing Wireless Settings check boxes are unchecked. This allows the wireless router to automatically generate the SSID and WPA/WPA2 security settings when it implements WPS. After WPS is implemented or changes in wireless settings are applied, the Safeguarding Your Network v1.



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)
<http://yourpdfguides.com/dref/3951708>

0, August 2010 2-16 N600 Wireless Dual Band Router WNDR3400 User Manual wireless router automatically selects this check box so that your SSID and wireless security settings remain the same if you add WPS-enabled devices or if you manually add non WPS-capable devices later. Note: If you clear either Keep Existing Wireless Settings check box, all wireless settings and connections will be lost for that wireless network. For more information on features of the advanced Wireless Settings screen, see "Scheduling Wireless Signal Down Time" on page 4-14. Connecting Additional Wireless Client Devices After WPS Setup You can add more WPS clients to your wireless network, or you can add a combination of WPS-enabled clients and clients without WPS. Adding More WPS Clients Note: Your wireless settings remain the same when you add another WPS-enabled client, as long as the Keep Existing Wireless Settings check box is selected in the Advanced Wireless screen (listed under the Advanced heading in the wireless router main menu). If you clear this check box, when you add the client, a new SSID and passphrase will be generated, and all existing connected wireless clients will be disassociated and disconnected from the wireless router. To add a wireless client device that is WPS-enabled: 1.

Follow the procedures in "Using a WPS Button to Add a WPS Client" on page 2-12 or "Using PIN Entry to Add a WPS Client" on page 2-14. 2. To view a list of all devices connected to your wireless router (including wireless and Ethernet-connected), see "Viewing a List of Attached Devices" on page 4-10.

Safeguarding Your Network v1.0, August 2010 2-17 N600 Wireless Dual Band Router WNDR3400 User Manual Adding Both WPS and Non-WPS Clients For non-WPS clients, you cannot use the WPS setup procedures to add them to the wireless network. You must record, and then manually enter your security settings (see "Manually Configuring Your Wireless Settings" on page 2-4). To connect a combination of non-WPS enabled and WPS-Enabled clients to the wireless router: 1. Restore the wireless router to its factory default settings (press both the Wireless and WPS buttons on the side of the wireless router for 5 seconds). When the factory settings are restored, all existing wireless clients are disassociated and disconnected from the wireless router. 2.

Configure the network names (SSIDs), select the WPA/PSK + WPA2/PSK radio button on the Wireless Settings screen (see "Manually Configuring Your Wireless Settings" on page 2-4). and click Apply. On the WPA/PSK + WPA2/PSK screen, select a passphrase and click Apply. Record this information to add additional clients. 3.

For the non-WPS devices that you want to connect, open the networking utility and follow the utility's instructions to enter the security settings that you selected in Step 2 (the SSID, WPA/PSK + WPA2/PSK security method, and passphrase). 4. For the WPS devices that you want to connect, follow the procedure "Using a WPS Button to Add a WPS Client" on page 2-12 or "Using PIN Entry to Add a WPS Client" on page 2-14. The settings that you configured in Step 2 are broadcast to the WPS devices so that they can connect to the wireless router. Note: To make sure that your new wireless settings remain in effect, verify that the Keep Existing Wireless Settings checkbox is selected in the WPS Settings screen.

5. To view a list of all devices connected to your wireless router (including wireless and Ethernet-connected), see "Viewing a List of Attached Devices" on page 4-10. Safeguarding Your Network v1.0, August 2010 2-18 N600 Wireless Dual Band Router WNDR3400 User Manual Restricting Access to Your Router You can use the advanced Wireless Settings screen to enable or disable the wireless router. From the Advanced menu, select Wireless Settings to display the following screen: Figure 2-9 Safeguarding Your Network v1.0, August 2010 2-19 N600 Wireless Dual Band Router WNDR3400 User Manual · Enable Wireless Router Radio. You can completely turn off the wireless portion of the wireless router. For example, if you use your notebook computer to wirelessly connect to your wireless router, and you take a business trip, you can turn off the wireless portion of the wireless router while you are traveling. Other members of your household who use computers connected to the wireless router via Ethernet cables can still use the wireless router. To do this, clear the Enable Wireless Router Radio check box on the Advanced Wireless Settings screen, and then click Apply.

The Fragmentation Threshold, CTS/RTS Threshold, and Preamble Mode options are reserved for wireless testing and advanced configuration only. Do not change these settings. · · Turn off wireless signal by schedule. You can schedule times when the wireless signal is turned off. WPS Settings. For information about WPS settings, see "Using Push 'N' Connect (WPS) to Configure Your Wireless Network" on page 2-11. Restricting access by MAC address. You can use a Wireless Card Access List to restrict access. See "Restricting Access by MAC Address" on page 3-2. Adding Guest Networks Adding a guest network allows visitors at your home to use the Internet without having to know your wireless security key.

You can add a guest network to each wireless network, 2.4 GHz b/g/n or 5 GHz a/n. To add a guest network, do the following: Safeguarding Your Network v1.0, August 2010 2-20 N600 Wireless Dual Band Router WNDR3400 User Manual 1. Select Guest Network from the Setup menu.

The Guest Network Settings screen appears Figure 2-10 2. Define a guest network on either or both of your wireless networks from this same screen. Select any of the following Wireless settings: Enable Guest Network When this check box is selected, the guest network is enabled, and guests can connect to your network using the SSID of this profile. Enable SSID Broadcast If selected, the Wireless Access Point broadcasts its name (SSID) to all Wireless Stations.

Stations with no SSID can adopt the correct SSID for connections to this Access Point.

Allow Guest to access My Local Network If selected any user who connects to this SSID can access local networks associated with the router like users in the primary SSID. 2-21 v1.0, August 2010 Safeguarding Your Network N600 Wireless Dual Band Router WNDR3400 User Manual 3. Give the wireless network a name. The name is case-sensitive and can be up to 32 characters. The same name must be assigned to all wireless devices in your network. NETGEAR recommends that you change the name to a different value. 4. Select a Security option from the list. For a description of each Security option, see Security Options in the table "Wireless Settings" on page 2-6.

5. In the same way that you defined a guest network for your 2.



[You're reading an excerpt. Click here to read official NETGEAR WNDR3400 user guide](http://yourpdfguides.com/dref/3951708)
<http://yourpdfguides.com/dref/3951708>