

300Mbps Wireless Broadband Router

BR-6428nS

Quick Installation Guide

Version 1.0 / October, 2010



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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. For more information about this product, please refer to the user manual on the CD-ROM. The software and specifications are subject to change without notice. Please visit our website www.edimax.com for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

Linux Open Source Code

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PRODUCT INTRODUCTION

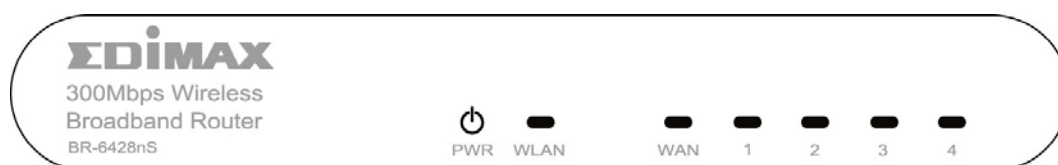
Thank you for purchasing the Edimax BR-6428nS! This is a high-performance 300Mbps router suitable for SOHO users. With this router, all your computers and network devices can share a single, high-speed xDSL/cable Internet connection. With iQ Setup, you can connect to the Internet fast and easily.

Package Contents

Before you start using this router, please check if there is anything missing in the package, and contact your dealer to claim the missing item(s):

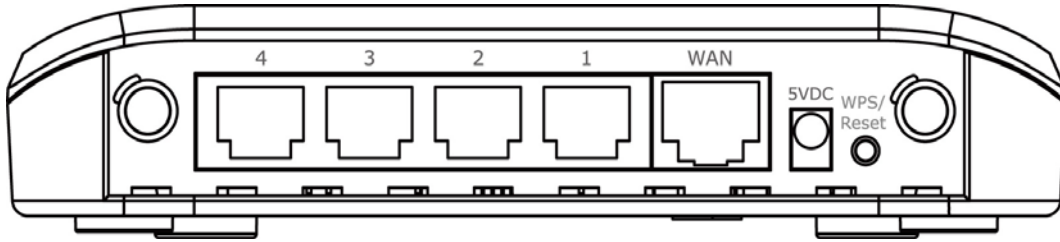
- Broadband router (1 pcs)
- Quick installation guide (1 pcs)
- CD with multi-language QIG and user manual (1 pcs)
- 5V DC power adapter (1 pcs)
- Ethernet cable (1 pcs)

Front Panel



LED Name	Light Status	Description
PWR	On	Router switched on and correctly powered
	Off	Router not powered or not correctly powered
WLAN	On	Wi-Fi activated (or WPS mode activated)
	Off	Wi-Fi not activated
	Flashing	Wi-Fi activity (transferring data)
WAN	On	Connected to the Internet
	Off	Not connected to the Internet
	Flashing	Internet activity (transferring data)
1-4 (LAN)	On	LAN port connected
	Off	LAN port not connected
	Flashing	LAN activity (transferring data)

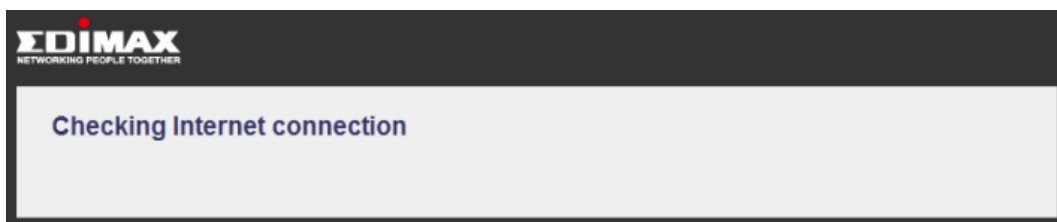
Back Panel



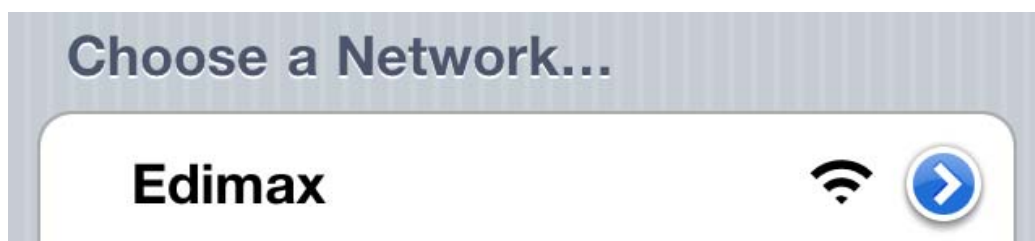
Item Name	Description
1-4 (LAN Ports)	Connects to computer or other web devices
WAN Port	Connects to cable/xDSL modems
Power Connector	Connects to the supplied power adapter
WPS/Reset Button	Resets the router to factory default settings or starts WPS function (press this button and hold for 20 seconds to clear all settings or press this button for 2-5 seconds to activate WPS function)

GETTING STARTED

Connect your xDSL or cable modem to the router’s “WAN” port (blue) and your computer to one of the router’s “LAN” ports (yellow). Next, open your Internet browser. If you are connecting to the Internet for the first time, the following will appear automatically:

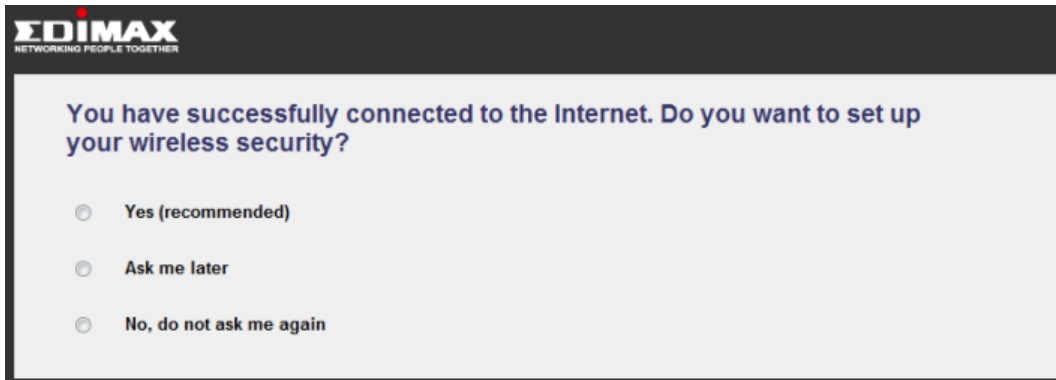


Note: Your computer or iPhone can also use iQ Setup with a Wi-Fi connection. Please make sure you have connected to the correct Wi-Fi network. The router’s default SSID is “Edimax”.



Dynamic IP

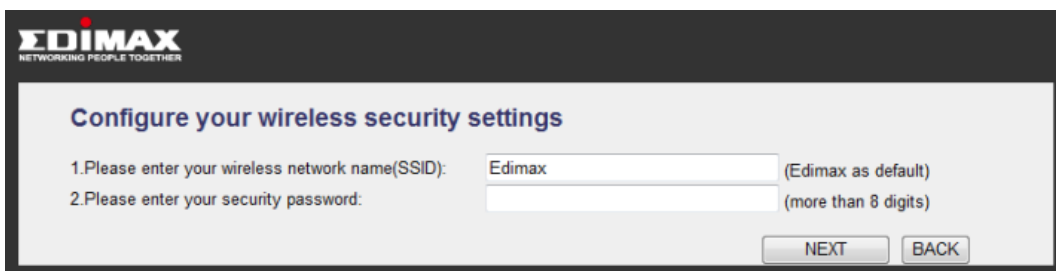
If your Internet connection type is dynamic IP, you will see the following:



The screenshot shows the Edimax web interface. At the top left is the Edimax logo with the tagline "NETWORKING PEOPLE TOGETHER". The main heading reads "You have successfully connected to the Internet. Do you want to set up your wireless security?". Below this heading are three radio button options: "Yes (recommended)", "Ask me later", and "No, do not ask me again".

Note: For security reasons, Edimax suggests that you set up the wireless security.

If you click "Yes (recommended)", you will be asked to enter an SSID and a password (at least 8 digits).

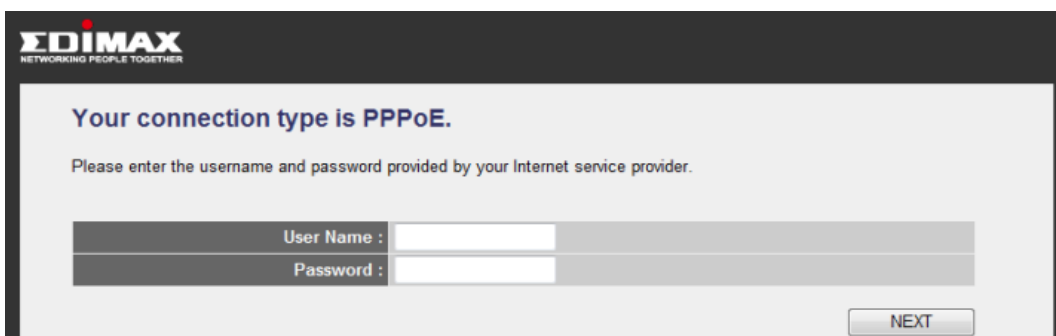


The screenshot shows the Edimax web interface for configuring wireless security settings. The heading is "Configure your wireless security settings". There are two numbered steps: "1. Please enter your wireless network name (SSID):" with a text input field containing "Edimax" and a note "(Edimax as default)"; and "2. Please enter your security password:" with a text input field and a note "(more than 8 digits)". At the bottom right, there are two buttons labeled "NEXT" and "BACK".

Note: Please remember your password or you will not be able to use the Wi-Fi connection.

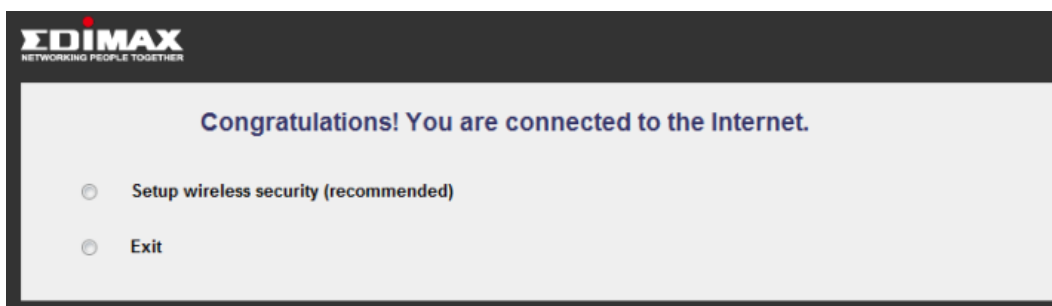
PPPoE

If your Internet connection type is PPPoE, you will see the following:



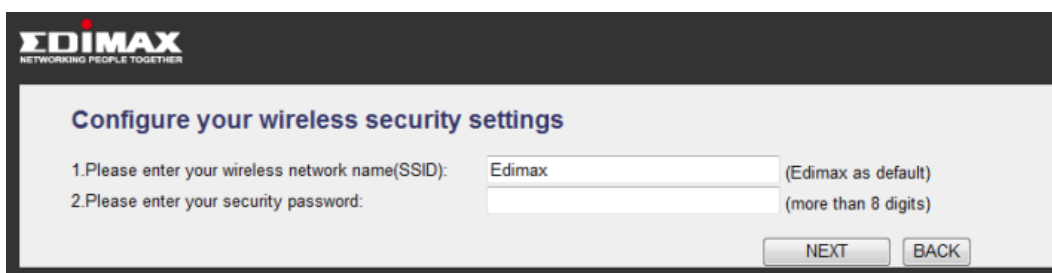
The screenshot shows the Edimax web interface for PPPoE configuration. The heading is "Your connection type is PPPoE." Below this is the instruction "Please enter the username and password provided by your Internet service provider." There are two input fields: "User Name :" and "Password :", each with a text input field. At the bottom right, there is a button labeled "NEXT".

Please enter the username and password provided by your ISP (usernames and passwords are case-sensitive). Click “Next” and the following will appear:



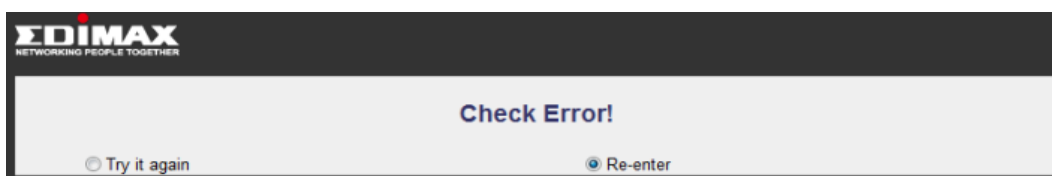
Note: For security reasons, Edimax suggests that you set up the wireless security.

If you click “Setup wireless security (recommended)”, you will be asked to enter an SSID and a password (at least 8 digits).



Note: Please remember your password or you will not be able to use the Wi-Fi connection.

If your PPPoE connection is invalid, you will see the following:



Click “Try it again” and the wizard will try to connect to the Internet again with the current information. Clicking “Re-enter” will take you to the previous page and let you enter the username and password again.

If your connection type is none of the above or if the auto-detection has failed, you will see the following page. Please select your connection type and enter the information accordingly.

EDIMAX
NETWORKING PEOPLE TOGETHER

Please select and configure your Internet connect type

- Dynamic IP** : Select "Dynamic IP" if your Internet service provider gives you IP address automatically(e.g. cable Internet providers).
- Static IP** : Select "Static IP" if your Internet service provider has given you a fixed IP address.
- PPPoE** : Select "PPPoE" if you are using ADSL(username and password required).
- PPTP** : If your PPTP service provider gives you dynamic IP addresses, select "Obtain an IP address automatically". If your IP address is fixed, input the one provided by your ISP(username and password required).
- L2TP** : If your L2TP service provider gives you dynamic IP addresses, select "Obtain an IP address automatically". If your IP address is fixed, input the one provided by your ISP(username and password required).
- Telstra Big Pond** : Telstra Big Pond is a Internet service is provided in Australia.

Application Diagram



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 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 technician for help.

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. 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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2009/125/EC.
- French:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1999/5/CE, 2009/125/CE
- Czechian:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1999/5/ES, 2009/125/ES.
- Polish:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1999/5/EC, 2009/125/EC
- Romanian:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1999/5/CE, 2009/125/CE.
- Russian:** Это оборудование соответствует основным требованиям и положениям Директивы 1999/5/EC, 2009/125/EC.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (1999/5/EK, 2009/125/EC)
- Türkçe:** Bu cihaz 1999/5/EC, 2009/125/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Ukrainian:** Обладнання відповідає вимогам і умовам директиви 1999/5/EC, 2009/125/EC.
- Slovakian:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1999/5/ES, 2009/125/ES.
- German:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1999/5/EC, 2009/125/EC.
- Spanish:** El presente equipo cumple los requisitos esenciales de la Directiva 1999/5/EC, 2009/125/EC.
- Italian:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1999/5/CE, 2009/125/CE.
- Dutch:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1999/5/EC, 2009/125/EC.
- Portugese:** Este equipamento cumpre os requisitos essenciais da Directiva 1999/5/EC, 2009/125/EC
- Norwegian:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1999/5/EC, 2009/125/EC.
- Swedish:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1999/5/EG, 2009/125/EG.
- Danish:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 1999/5/EC, 2009/125/EC.
- Finnish:** Tämä laite täyttää direktiivien 1999/5/EY, 2009/125/EY oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., LTD., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directive (73/23/EEC,).

Equipment : 300Mbps Wireless Broadband Router
Model No. : BR-6428nS
Report No. : EH001210, ER001210AI, ER001210AC, EA001210,
L001210L478

The following European standards for essential requirements have been followed:

Spectrum	:	ETSI EN 300 328 V1.7.1 (2006-10);
EMC	:	EN 301 489-1 V1.8.1 (2008-04) EN 301 489-17 V2.1.1 (2009-05); EN 50385:2002
Safety (LVD)	:	IEC 60950-1:2005 (2nd Edition); EN-60950-1:2006+A11:2009

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Date of Signature : January 6th, 2011

Signature :

Printed Name : Albert Chang

Title :

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