

# AR-7288WnA / AR-7288WnB

## Quick Installation Guide

09-2014 / v1.01

### **Edimax Technology Co., Ltd.**

No.3, Wu-Chuan 3rd Road, Wu-Gu, New Taipei City 24891, Taiwan

Email: [support@edimax.com.tw](mailto:support@edimax.com.tw)

---

### **Edimax Technology Europe B.V.**

Fijenhof 2, 5652 AE Eindhoven, The Netherlands

Email: [support@edimax.nl](mailto:support@edimax.nl)

---

### **Edimax Computer Company**

3350 Scott Blvd., Bldg.15 Santa Clara, CA 95054, USA

Live Tech Support: 1(800) 652-6776

Email: [support@edimax.com](mailto:support@edimax.com)



## COPYRIGHT

Copyright © Edimax Technology Co., Ltd. all rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission from Edimax Technology Co., Ltd.

Edimax Technology Co., Ltd. makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability, or fitness for any particular purpose. Any software described in this manual is sold or licensed as is. Should the programs prove defective following their purchase, the buyer (and not this company, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any defect in the software. Edimax Technology Co., Ltd. reserves the right to revise this publication and to make changes from time to time in the contents hereof without the obligation to notify any person of such revision or changes.

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](http://www.edimax.com) for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

### **Edimax Technology Co., Ltd.**

Add: No. 3, Wu-Chuan 3<sup>rd</sup> Rd., Wu-Ku Industrial Park, New Taipei City, Taiwan

Tel: +886-2-77396888

Email: [sales@edimax.com.tw](mailto:sales@edimax.com.tw)

## PRODUCT INTRODUCTION

### Package Contents

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

- ADSL2+ router
- 12V Power adapter
- RJ-45 Ethernet cable
- RJ-11 telephone line
- Quick installation guide
- CD containing setup wizard, user manual & QIG
- Splitter
- 5dBi Antenna

### System Requirements

Recommended system requirements are as follows.

- A 10/100 base-T Ethernet card installed in your PC
- A hub or Switch (connected to several PCs through one of the Ethernet interfaces on the device)
- Operating system: Windows 98 SE, Windows 2000, Windows ME, Windows XP, Windows 7/8/8.1
- Internet Explorer V5.0 or higher, Netscape V4.0 or higher, or Firefox 1.5 or higher

### LED & Button Definitions

#### Front Panel



LEDs	Color	Status	Description
⏻	Green	ON	Powered on
		OFF	Powered off
	Red	ON	ADSL broadband initial self-test failed or upgrading firmware

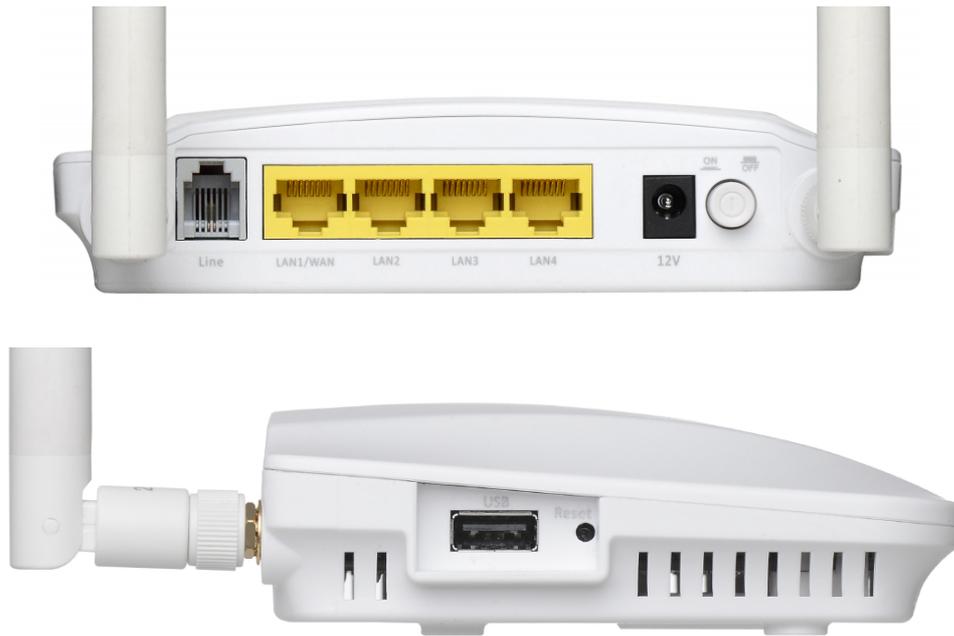
<b>ADSL</b>	<b>Green</b>	<b>ON</b>	ADSL line is synchronized and ready to use
		<b>SLOW BLINK</b>	ADSL synchronization failed ( Please refer to Note 1)
		<b>FAST BLINK</b>	ADSL negotiation is in progress.
<b>Internet</b>	<b>Green</b>	<b>ON</b>	Internet connected in router mode
		<b>BLINK</b>	Internet activity (transferring/receiving data) in router mode
		<b>OFF</b>	Device in bridged mode
	<b>Red</b>	<b>ON</b>	Internet not connected in router mode (Please refer to Note 2)
<b>LAN1~4</b>	<b>Green</b>	<b>ON</b>	LAN port connected
		<b>BLINK</b>	LAN activity (transferring/receiving data)
		<b>OFF</b>	LAN port not connected
	<b>Green</b>	<b>On</b>	The device has successful WLAN connection.
		<b>Blinks</b>	Data is being transmitted on WLAN
		<b>Off</b>	The WLAN connection is failed
<b>WPS</b>	<b>Green</b>	<b>Off</b>	WPS is disabled
		<b>Blinks</b>	WPS is enabled, and is waiting for client to negotiate

 **Note:**

**1)** If the ADSL LED is off, please check your Internet connection. Refer to **A . Hardware Installation** for more information about how to connect the router correctly. If all connections are correct, please contact your ISP to check if there is a problem with your Internet service.

**2)** If the Internet LED is red, please check your ADSL LED first. If your ADSL LED is off, refer to **Note 1**. If the green ADSL LED is ON, please check your Internet configuration. You may need to check with your ISP that your Internet is configured correctly.

## Rear Panel



Items	Description
	Power ON/OFF
<b>12V</b>	Power connector
	Wireless LAN ON/OFF (Press the button gently and let go after 1 second to enable WLAN function, and press the button gently and let go after 1 second to disable.)
<b>WPS</b>	WPS ON/OFF (Press the button gently and let go after 1 second to enable WLAN function, and press the button gently and let go after 1 second to disable.)
<b>LAN1~4</b>	Ethernet RJ-45 port 1~4
<b>Reset</b>	Resets device to factory defaults (to reset to factory defaults, push a paper clip into the hole when the device is powered and hold for more than 10 seconds)
<b>Line</b>	Line RJ-11 port
<b>USB</b>	USB interface is used to connect a USB device, such as a USB flash disk or printer.

## GETTING STARTED

### A. Hardware Installation

#### Step 1: Connect the ADSL line

Connect the Line interface of the device to the Modem interface of a splitter using a telephone cable. Connect a telephone to the Phone interface of the splitter using a telephone cable. Connect the Line interface of the splitter to your existing, incoming line.

The splitter has three interfaces:

- Line: Connect to a wall phone jack (RJ-11 jack).
- Modem: Connect to the ADSL jack of the device.
- Phone: Connect to a telephone set.

#### Step 2: Connect the router to your LAN network

Connect the LAN interface of the router to your PC, Hub or Switch using an Ethernet cable (MDI/MDIX).



#### Note:

**Use twisted-pair Ethernet cables to connect the router to a hub or switch.**

#### Step 3: Connect the power adapter to the router

Plug one end of the power adapter into a wall outlet and connect the other end to the 12V interface of the device.

The following diagram shows how to correctly connect the router, PC, splitter and the telephone sets.



#### Step 4: Check the ADSL LED status

Please check the ADSL LED on the front panel. This light indicates the status of your ADSL broadband through your telephone line. If the light is on, you can continue setup. However if the light is flashing, there is no broadband line detected. Please call your Internet Service Provider (ISP) and inform them about the flashing ADSL light to resolve the issue.

**Note: You must use the power adapter included in the package with the router, do NOT attempt to use a third-party power adapter.**

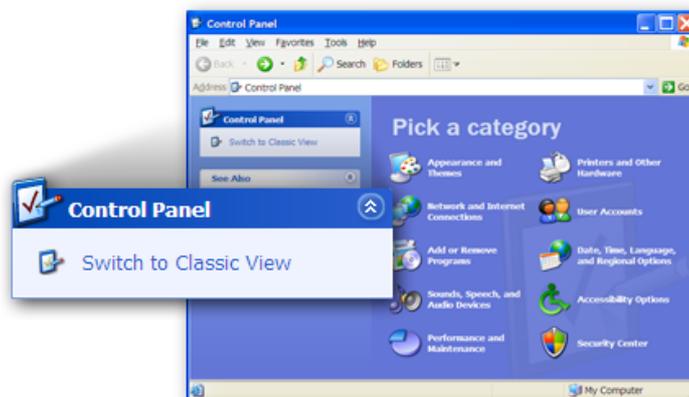
#### Step 5: PC LAN IP configuration

Configure your PC's LAN settings to automatically obtain an IP address from the router by following the steps below:

1. Click **“Start”** and then select **“Control Panel”**.



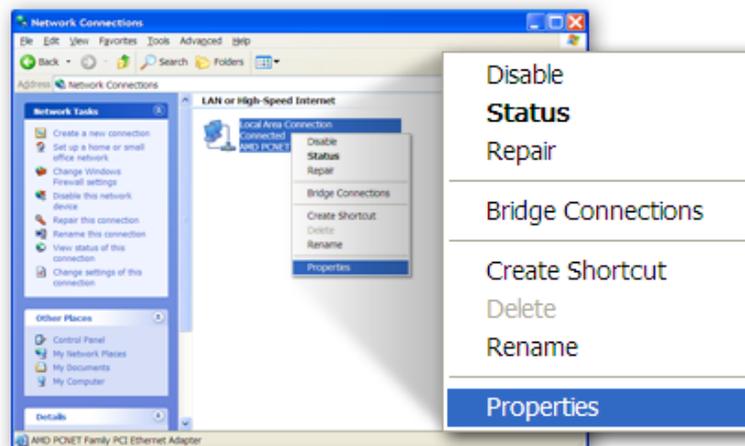
2. Click **“Switch to Classic View”** in the top left to show additional setting icons.



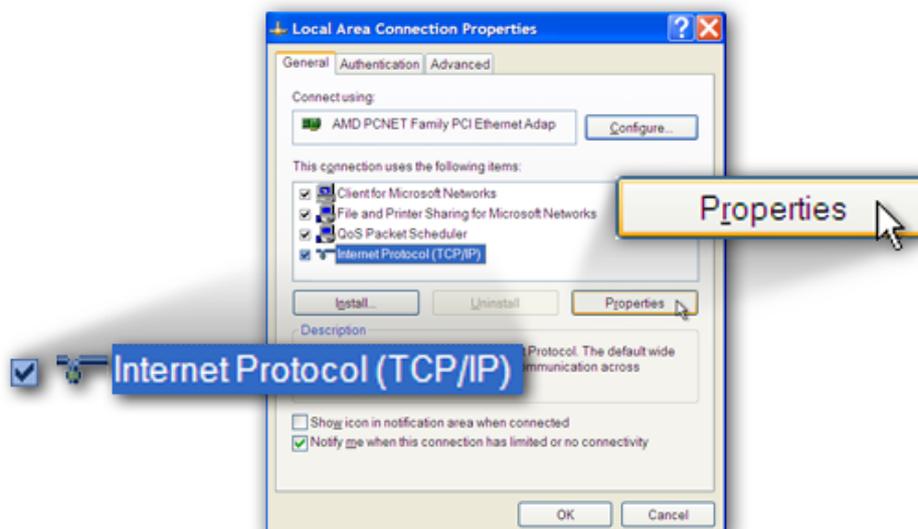
3. Locate the **“Network Connections”** icon and double-click to open network connection settings.



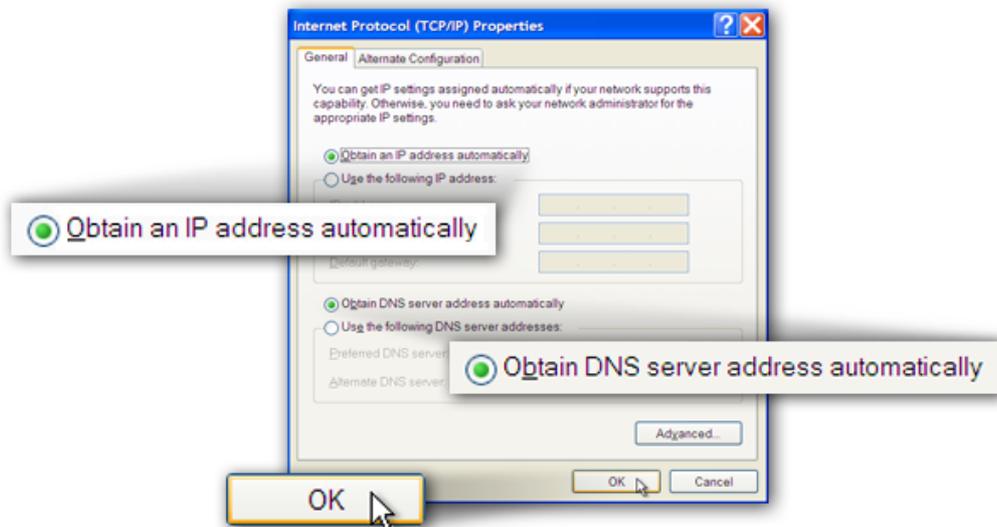
4. Select the **“Local Area Connection”** icon and right-click it to open the sub-menu, and then select **“Properties”**.



5. Select **“Internet Protocol (TCP/IP)”** and then click **“Properties”**



6. Ensure that “**Obtain an IP address automatically**” and “**Obtain DNS server address automatically**” are selected and then press “**OK**”.



## B. Internet Connection

You can configure the router by running the setup wizard on the CD-ROM included in the package contents. When you start the setup wizard, you will see the following screen. Please follow the on screen instructions until setup is complete.



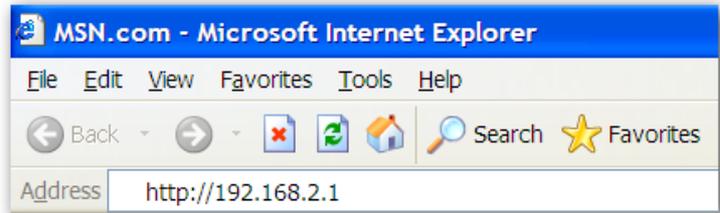
EZMAX Wizard will guide you to setup the Internet connection, Wireless ESSID, Wireless Security and perform Firmware Upgrade.

Next



Alternatively, if you lose the CD-ROM or prefer a web based setup, you can login to the ADSL router using Internet Explorer, and configure the router from there using the web-based interface. Please follow the instructions below:

1. Enter the router's default IP address: **"192.168.2.1"** into your PC's web browser and press **"Enter"**.



2. The login screen below will appear. Enter the default username **"admin"** and default password **"1234"** and click **"OK"**.



3. You will arrive at the system status page as shown below.


ADSL Router

- Device Info
- Summary
- WAN
- Statistics
- Route
- ARP
- DHCP
- Quick Start
- Advanced Setup
- Wireless
- Diagnostics
- Management

Device Info

Board ID:	96318REF
Model Name:	AR-7288Wna
Serial Number:	021018432101
Build Timestamp:	201405220811
Software Version:	V1.0.1
Bootloader (CFE) Version:	1.0.38-114.170
DSL PHY and Driver Version:	A2pG038i.d24h
Wireless Driver Version:	6.30.163.23.cpe4.12L
Uptime:	0D 4H 14M 40S

This information reflects the current status of your WAN connection.

Line Rate - Upstream (Kbps):	0
Line Rate - Downstream (Kbps):	0
LAN IPv4 Address:	192.168.2.1
Default Gateway:	
Primary DNS Server:	0.0.0.0
Secondary DNS Server:	0.0.0.0
LAN IPv6 Address:	
Default IPv6 Gateway:	

4. In the navigation bar across the top of the screen, click **“Quick Start”**. The Wizard page of the web-based interface allows fast configuration of the Internet connection and other parameters. Please refer to the user manual for detailed information on these parameters.

The screenshot shows the EDIMAX ADSL Router web interface. At the top left is the EDIMAX logo with the tagline "NETWORKING PEOPLE TOGETHER". At the top right, it says "ADSL Router". On the left side, there is a navigation menu with the following items: "Device Info", "Quick Start" (which is highlighted), "Advanced Setup", "Wireless", "Diagnostics", and "Management". The main content area is titled "Quick Start" and contains the following text: "Please select your Country and ISP (Internet Service Provider) from the list below. If your Country or ISP is not in the list, please select 'Others'". Below this text are several form fields: "Country" (a dropdown menu with "(Click to Select)" and a downward arrow), "Internet Service Provider" (a dropdown menu with "Select" and a downward arrow), "Protocol" (a dropdown menu with "(Click to Select)" and a downward arrow), "Connection Type" (a dropdown menu with "(Click to Select)" and a downward arrow), "VPI" (a text input field with "(0-255)" to its right), "VCI" (a text input field with "(32-65535)" to its right), and "MTU" (a text input field with "(1-1500)" to its right). At the bottom center of the form area is a blue "Apply" button.

Enter the required information on each page of the quick start and click **“Apply”** until the quick start is complete.

**Note: Please refer to the User Manual on the included CD-ROM for more detailed information regarding configuration and Internet connection type.**

## Appendix I:

### How to Install and Access the USB Storage

1. Plug USB storage into USB on AR-7288WnA.
2. Log in web management. (Example: HTTP://192.168.2.1)
3. Choose **Advanced Setup > Storage Service Storage Device Info**, and the following page appears. In this page, you can view the USB device info.

**Storage Service**

The Storage service allows you to use Storage devices with modem to be more easily accessed

Volumename	PhysicalMedium	FileSystem	Total Space	Used Space
usb0_1	PhysicalMedium.0	vfat	30927MB	2MB

4. Choose **Advanced Setup > Storage Service > User Accounts**, and the following page appears. In this page, you may add or remove storage user accounts.

#### Storage UserAccount Configuration

Choose Add, or Remove to configure User Accounts.

Username	Remove
<input type="text"/>	<input type="button" value="Remove"/>

Click the **Add** button to display the following page.

#### Storage User Account Setup

In the boxes below, enter the user name, password and volume name on which the home directory is to be created.  
**Username and Password must consists of [A-Z] or [a-z] or [0-9].**

Username:

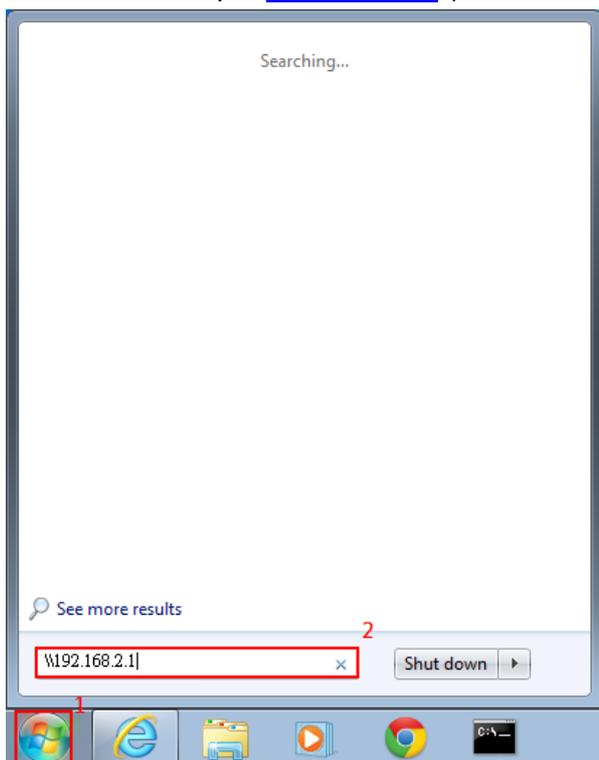
Password:

Confirm Password:

Enter the user name, password and volume name, and then click **Apply/Save** to finish setting up an account.

To delete an account, select it in the **Storage UserAccount Configuration** page, and then click **Remove**.

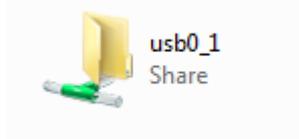
5. Click **Start**, input [\\192.168.2.1](#) (192.168.2.1 is IP address of AR-7288WnA), and then press **Enter**.



6. Enter username and password which you have added at step 4, and then click **OK**.



7. It will display the USB device. Double click left mouse on the fold, and then you are able to access the data in the USB storage.



## **Appendix II**

The following are the general settings usually provided by the Internet Service Providers (ISP). Upon running the “setup wizard” on CD-ROM (See *Quick Installation Guide page 8*) OR “Quick Start” (See *Quick Installation Guide page 10*), all the below Settings (Pointers No. 1 & No. 2) are Pre-Set in AR-7288WnA; except Pointer No. 3, Username and Password (As provided by your ISP). Need to be Input by User accordingly.

### **General Setting For Australia**

- 1) VPI/VCI set to 8/35
- 2) Protocol set to PPP over Ethernet (PPPoE) (RFC 2516) with LLC encapsulation
- 3) Username and password set according to the user ID that the customer has on the service they are trying to connect to (either ISP or corporate). The user name must be set to the user ID followed by an @ symbol followed by the domain name e.g. [example1@isp1.com.au](mailto:example1@isp1.com.au) or [example2@isp2.net.au](mailto:example2@isp2.net.au)

### **General Setting For New Zealand**

- 1) VPI/VCI set to 0/100
- 2) Protocol set to PPP over ATM (PPPoA) (RFC 2364) with VC-multiplexed encapsulation
- 3) Username and password set according to the user ID that the customer has on the service they are trying to connect to (either ISP or corporate). The user name must be set to the user ID followed by an @ symbol followed by the domain name e.g. [example@isp.co.nz](mailto:example@isp.co.nz)
- 4) Operating Mode set to G.992.1, G.DMT or ANSI T1.413 iss 2 but not G.Lite or G.992.2

### **Note that:**

1. **Reset the device to factory defaults** (see *Quick Installation Guide page 4.*) if you have difficulty to setup your User Name and Password or if you would like to setup new user name or password.
2. Please contact your ISP (Internet Service Provider) if you are not sure about your ADSL 2/2+ modem setup information.

### **PTC General Warning**

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

Distributed by:

TechBrands by Electus Distribution Pty Ltd.

320 Victoria Road

Rydalmere, NSW 2116 Australia

[www.techbrands.com](http://www.techbrands.com)

Tel: 1300 738 555

Int'l: +61 2 8832 3200

Fax: 1300 738 500

Manufactured by:

Edimax Technology Australia Pty Ltd

Level 1, 203 Blackburn Road, Mt Waverley, VIC3152, Australia

+61-8-61022811 (AUS) +64-9-8870589(NZ)

[support@edimax-au.com](mailto:support@edimax-au.com) / [www.edimax.com](http://www.edimax.com)

*Australia Support Toll Free Number #1300 540 833*

*New Zealand Support Toll Free Number #0800 452 922*