



**DIGISOL™**

## Quick Installation Guide

# **300Mbps Wireless ADSL2/2+ Broadband Router With USB Port**

## **DG-BG4300NU**



**UP TO 24 Mbps**

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## **Trademarks:**

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## **Package Contents**

The following items should be present in your package:

- DG-BG4300NU ADSL 2/2+ Broadband Router
- POTS splitter
- AC power adapter
- Quick Installation Guide
- Installation Guide CD (includes user manual, QIG & utility)
- Patch cord (1 No.)
- RJ-11 cables (2 Nos.)

Make sure that the package contains above items. If any of the listed items is damaged or missing, please contact your retailer immediately.

## **Product Overview**

Thank you for purchasing DG-BG4300NU 300Mbps Wireless ADSL2/2+ Broadband Router with USB port! This router is the best choice for Small office / Home office users, all computers and network devices can share a single Internet connection at high speed. Easy Installation wizard provided with this router is designed to setup an Internet connection in a very short time by accessing the web configuration of the router. With its wireless speed up to 300Mbps users can experience uninterrupted Internet and multimedia access.

## Product Features

- High Internet Access throughput. Downstream up to 24 Mbps and Upstream up to 1 Mbps.
- Wireless speed up to 300Mbps.
- Robust WLAN Security.
- Supports URL blocking & Firewall.
- Dedicated WPS and WLAN push button.
- Dynamic DNS and VPN Pass through support.
- USB2.0 Port for 3G Dongle & Mass Storage.
- Allows multiple users to share a single ADSL internet connection.
- Access private LAN servers from the Internet.
- Four wired LAN ports (10/100M) and one WAN port (RJ-11).
- Works with IEEE 802.11b/g/n wireless LAN devices.
- Supports IPv6.
- Supports DHCP (Server/Client) for easy IP-address setup.

## System Requirements

The following system requirements are recommended:

- Notebook or desktop PC with network adapter (wired/WLAN)
- Windows 98/Me/2000/XP/Vista
- Web browser
- AC power socket (100 – 240 V, 50/60Hz)

## Top Panel

Below shown is the Top view of the product.



Below shown are the LED description of the product.

LEDs	Color	Status	Description
Power	Red	On	Device is initializing or initialization has failed.
		Off	Power is off.
	Green	On	Power is on.
DSL	Green	On	Physical link is up
		Blinking	ADSL handshaking process is on or ADSL line unplugged.
Internet	Green	On	Internet connection is established.
		Blinking	Data is being transmitted or received.
		Off	Device is not connected to internet.
	Red	On	PPPoE/PPPoA username-password not set or wrong.
LAN 1/2/3/4	Green	On	PC is connected to the LAN port
		Off	PC is unplugged/not connected.
USB	Green	On	USB device is plugged.
		Off	USB device is not plugged.
WLAN	Green	On	Wireless is enabled.
		Blinking	Data is being transmitted or received.
		Off	Wireless is not enabled.
WPS	Green	Blinking	WPS negotiation is enabled waiting for the clients.
		Off	WPS negotiation is not enabled on the device.

## Rear View

Below shown is the rear view of the product.

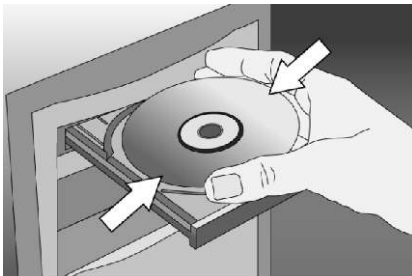


The following table describes the interfaces of the device.

Item	Description
Antennas	Two 5dBi fixed dipole antennas.
DSL	RJ-11 interface, for connecting to the ADSL interface or a splitter using a telephone cable.
LAN4/3/2/1	RJ-45 interface, for connecting to the Ethernet interface of a computer or the Ethernet devices through an Ethernet cable/LAN Cable.
Power	Power interface, for connecting to the power adapter.
ON / OFF	Power switch, to power on or power off the device.

## Software Installation

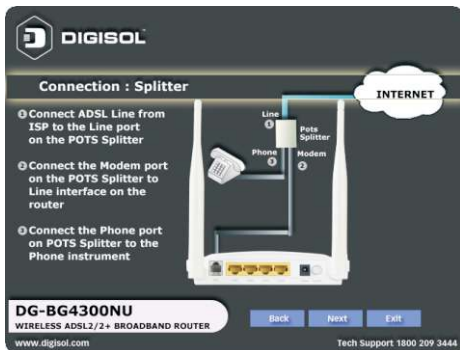
- Insert the Setup CD into your CD-ROM drive of notebook/desktop computer.



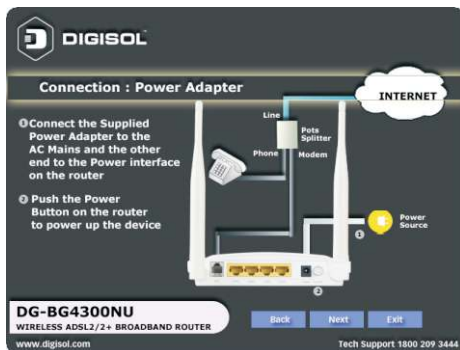
- Explore the CD and execute the "India\_autorun.EXE" file. Screen given below will be displayed. Click 'Start' to continue.



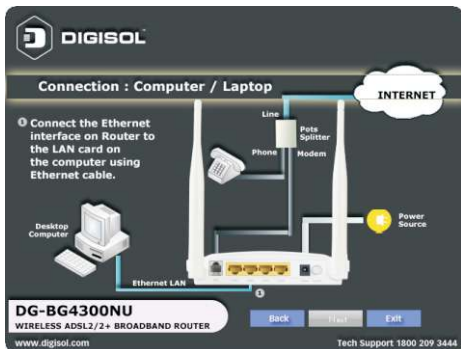
- Connect the ADSL line and the phone line to the router. Click 'Next'.



- Connect the power adapter to the AC Mains and the other end to the power interface on the router. Push the power button on the router to power up the device. Click 'Next'.




- Connect the Ethernet interface on the router to the LAN card on the computer using the Ethernet cable. Click 'Next'.



- After powering up the router, verify the status of the LED indicators on the front panel of the router. Click 'Next'.



- Below as shown please select the "WAN Mode" type. Suppose you select "ADSL and 3G" option to setup 3G failover click "Next".



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### Configure : WAN Mode

**WAN Mode:** ADSL and 3G <--- Click Dropdown for more options


WAN Mode	Description
ADSL	If ADSL Internet Service is activated on telephone line.
3G	If a compatible 3G USB Dongle with 3G service activated is plugged.
ADSL and 3G	If ADSL with 3G Internet backup is to be configured.

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WIRELESS ADSL2/2+ BROADBAND ROUTER

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Back Next Exit

- Please select your 'Country' and ADSL service provider. VPI and VCI values will auto fill.



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### Configure : ADSL (VPI, VCI)

Please select your 'Country' and ADSL Service Provider. The values for VPI and VCI will auto fill

**Country:** India

**Service Provider:** MTNL

**VPI: (0 ~ 255)** 0

**VCI: (32 ~ 65535)** 32

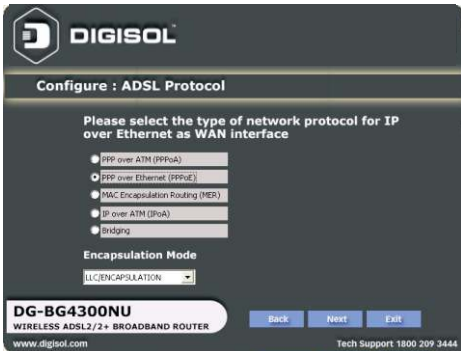
Note: You can set different values for VPI and VCI as provided by your ISP. If your ISP is not listed in the 'Service Provider' list then select 'OTHERS'.

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Back Next Exit

- Select the network protocol for WAN interface. Click 'Next'.



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**Configure : ADSL Protocol**

Please select the type of network protocol for IP over Ethernet as WAN interface

- ☐ PPP over ATM (PPPoA)
- ☒ PPP over Ethernet (PPPoE)
- ☐ MAC Encapsulation Routing (MER)
- ☐ IP over ATM (IPoA)
- ☐ Bridging

**Encapsulation Mode**

LLC/ENCAPSULATION

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[Back](#) [Next](#) [Exit](#)

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- All the utility installation steps till here are the common steps to be followed for the modes.

Following are the steps for configuring PPPoE connection:

Enter the username and password provided by your ISP. Click 'Next'.



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**Configure : ADSL PPPoE**

Please enter the Username and Password provided by your ISP

**User ID:**

**Password:**

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[Back](#) [Next](#) [Exit](#)

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- Configure the 3G Dialup parameters and click "Next"

The screenshot shows the 'Configure : 3G Dialup' screen of a DIGISOL router. At the top is the DIGISOL logo. Below it, the title 'Configure : 3G Dialup' is displayed. A message instructs the user to connect a 3G USB Dongle and enter dialer parameters for their ISP, with a note to leave fields blank if no dongle is connected. There are five input fields: 'Username', 'Password', 'APN Code', 'Pin Code', and 'Dialup Number'. At the bottom left, the model 'DG-BG4300NU' and description 'WIRELESS ADSL2/2+ BROADBAND ROUTER' are shown, along with the website 'www.digisol.com'. At the bottom right, there are 'Back', 'Next', and 'Exit' buttons, and a tech support number '1800 209 3444'.

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**Configure : 3G Dialup**

Please connect the 3G USB Dongle and then enter the dialer parameters for 3G Dongle provided by your ISP  
(Leave it blank if no 3G USB dongle connected.)

Username :

Password :

APN Code :

Pin Code :

Dialup Number :

**DG-BG4300NU**  
WIRELESS ADSL2/2+ BROADBAND ROUTER

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Back Next Exit

- Configure a wireless name (SSID) for your router. Click 'Next'.

The screenshot shows the 'Configure : Wireless Name (SSID)' screen of a DIGISOL router. At the top is the DIGISOL logo. Below it, the title 'Configure : Wireless Name (SSID)' is displayed. A message instructs the user to configure a name (SSID) for their wireless network to always identify it. There are two input fields: 'Wireless Name (SSID)' and 'Wireless Channel'. The 'Wireless Name (SSID)' field has a hint '[Example: MyNetwork, WIFI123]'. The 'Wireless Channel' field has a dropdown menu currently set to 'Auto Scan'. At the bottom left, the model 'DG-BG4300NU' and description 'WIRELESS ADSL2/2+ BROADBAND ROUTER' are shown, along with the website 'www.digisol.com'. At the bottom right, there are 'Back', 'Next', and 'Exit' buttons, and a tech support number '1800 209 3444'.

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**Configure : Wireless Name (SSID)**

Configure a name (SSID) for your wireless network,  
so you can always identify your wireless network.

Wireless Name (SSID):

[Example: MyNetwork, WIFI123]

Wireless Channel:

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WIRELESS ADSL2/2+ BROADBAND ROUTER

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Back Next Exit

- Configure the wireless security. Click 'Next'.

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### Configure : Wireless Security

Wireless security helps to protect your wireless network from hackers and malicious users. WPA Pre-Shared Key is the most secured encryption for general users. Please enable the WPA Pre-Shared key and enter a 8 to 63 characters (alphanumeric, case sensitive) key in the given field below

**Security Mode:**

**Pre-Shared Key:**

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WIRELESS ADSL2/2+ BROADBAND ROUTER

[Back](#) [Next](#) [Exit](#)

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- The next screen is a summary of the wireless settings of the router.

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### Summary : Wireless Configuration

Internet Connection Type:

Wireless Name (SSID):

Wireless Security:

Security Key:

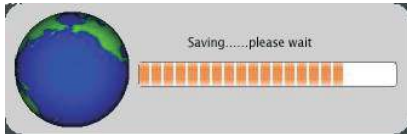
After click "Next" please wait for the next page to appear.

**DG-BG4300NU**  
WIRELESS ADSL2/2+ BROADBAND ROUTER

[Back](#) [Next](#) [Exit](#)

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- Click on 'Next', the following screen will appear.



- Once the connection is established, the router connection status will appear.

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**Status : WAN**

<b>WAN Link Type</b>	PPPoE
<b>WAN IP</b>	0.0.0.0
<b>Default Gateway</b>	0.0.0.0
<b>Primary DNS</b>	1.2.3.2
<b>Secondary DNS</b>	4.5.6

Note: If the IP Address appears 0.0.0.0, then click 'Refresh' for retrying the connection to Internet. If a valid IP address appears (other than 0.0.0.0) then click 'Finish' button to complete the setup.

Please reboot the Router after click "Finish" (Recommended).

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WIRELESS ADSL2/2+ BROADBAND ROUTER

Refresh

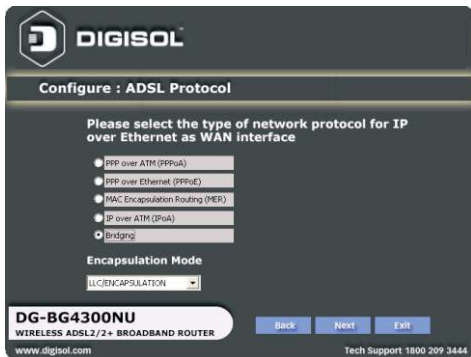
Finish

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## Bridging Mode

- To configure the router in the bridge mode select "Bridging" option. Click 'Next'.



The screenshot shows the 'Configure : ADSL Protocol' screen of a DIGISOL router. At the top is the DIGISOL logo. Below it, the title 'Configure : ADSL Protocol' is displayed. The main instruction reads: 'Please select the type of network protocol for IP over Ethernet as WAN interface'. There are five radio button options: 'PPP over ATM (PPPoA)', 'PPP over Ethernet (PPPoE)', 'MAC Encapsulation Routing (MER)', 'IP over ATM (IPoA)', and 'Bridging'. The 'Bridging' option is selected. Below these options is a section for 'Encapsulation Mode' with a dropdown menu currently showing 'LLC/ENCAPSULATION'. At the bottom left, the model 'DG-BG4300NU' and description 'WIRELESS ADSL2/2+ BROADBAND ROUTER' are shown, along with the website 'www.digisol.com'. At the bottom right, there are three buttons: 'Back', 'Next', and 'Exit'. A tech support number '1800 209 3444' is also present.

- Configure a wireless name (SSID) for your router. Click 'Next'.



The screenshot shows the 'Configure : Wireless Name (SSID)' screen of a DIGISOL router. At the top is the DIGISOL logo. Below it, the title 'Configure : Wireless Name (SSID)' is displayed. The main instruction reads: 'Configure a name (SSID) for your wireless network, so you can always identify your wireless network.' There are two input fields: 'Wireless Name (SSID):' with a text box containing 'Digisol' and an example '[Example: MyNetwork, WIFI123]' below it; and 'Wireless Channel:' with a dropdown menu showing 'Auto Scan'. At the bottom left, the model 'DG-BG4300NU' and description 'WIRELESS ADSL2/2+ BROADBAND ROUTER' are shown, along with the website 'www.digisol.com'. At the bottom right, there are three buttons: 'Back', 'Next', and 'Exit'. A tech support number '1800 209 3444' is also present.

- Configure the wireless security.

The screenshot shows the 'Configure : Wireless Security' page of a DIGISOL router. At the top is the DIGISOL logo. Below it, the title 'Configure : Wireless Security' is displayed. A paragraph explains that wireless security protects the network from hackers and that WPA Pre-Shared Key is the most secure encryption. It instructs the user to enable WPA Pre-Shared key and enter an 8 to 63 character alphanumeric key. There are two input fields: 'Security Mode' with a dropdown menu currently showing 'WPA2-Mixed', and 'Pre-Shared Key' with an empty text box. At the bottom left, the model 'DG-BG4300NU' and type 'WIRELESS ADSL2/Z+ BROADBAND ROUTER' are listed, along with the website 'www.digisol.com'. At the bottom right, there are three buttons: 'Back', 'Next', and 'Exit'. A tech support number '1800 209 3444' is also present.

- Click on 'Next' the following screen will appear.

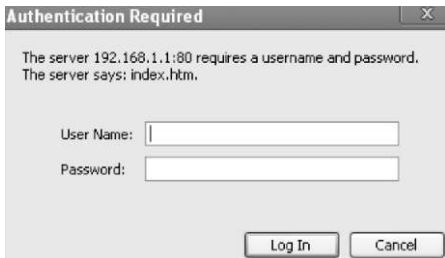
The screenshot shows the 'Bridge Mode' configuration page of a DIGISOL router. At the top is the DIGISOL logo. Below it, the title 'Bridge Mode' is displayed. A paragraph instructs the user to use third-party dial-up software or 'Windows New Connection Wizard' to configure Internet dial-up access. Another paragraph states that clicking 'Finish' will save settings and reboot the router, after which wireless clients can be connected. There is a single 'Finish' button at the bottom right. At the bottom left, the model 'DG-BG4300NU' and type 'WIRELESS ADSL2/Z+ BROADBAND ROUTER' are listed, along with the website 'www.digisol.com'. A tech support number '1800 209 3444' is also present.

- Click on 'Finish' to complete the configuration of the router in Bridge mode.

**The router installation is now complete**

## Wizard Installation

- To access the web configuration of the router, assign a static IP address to your notebook/desktop computer in the subnet 192.168.1.X with the subnet mask 255.255.255.0 and gateway as 192.168.1.1. For example, assign the IP address 192.168.1.10.
- Open a web browser and enter "http://192.168.1.1" in the address bar, and press 'Enter'. A login screen will appear, assign username as "admin" and password as "admin". Press 'Log In'.



The image shows a web browser's authentication dialog box. The title bar reads "Authentication Required" with a close button (X) on the right. The main text area contains the message: "The server 192.168.1.1:80 requires a username and password. The server says: index.htm." Below this text are two input fields. The first is labeled "User Name:" and the second is labeled "Password:". At the bottom right of the dialog are two buttons: "Log In" and "Cancel".

**Authentication Required**

The server 192.168.1.1:80 requires a username and password.  
The server says: index.htm.

User Name:

Password:

- Once you log in the following screen will appear.

The screenshot displays the web management interface for a DIGISOL DG-BG4300NU router. The top navigation bar includes links for Home, Wizard, Setup, Advanced, Service, Firewall, Maintenance, and Smart MENU. The main content area is titled 'ADSL Router Status' and provides a summary of the router's current state and basic settings.

**DIGISOL** DG-BG4300NU 300Mbps Wireless ADSL2/2+ Broadband Router with USB Port

Home Wizard Setup Advanced Service Firewall Maintenance Smart MENU

**Device Info**

- Device Info
- 3G Info
- ADSL

**Statistics**

**ADSL Router Status**  
This page shows the current status and some basic settings of the device.

**System**

Model Name	DG-BG4300NU
Uptime	13 days, 8:45:28
Date/Time	Sat Jan 14 20:12:12 15 28
Firmware Version	2.0.0
Built Date	Jul 16 2016 12:05:49
Serial Number	00177C64D964

**DSL**

Operational Status	G202.5
Upstream Speed	509 kbps
Downstream Speed	2452 kbps

## FAQ

Following are the solutions to problems that may occur during the installation and operation of the DIGISOL DG-BG4300NU Wireless Broadband Router.

### 1. Cannot login into the router.

- Verify whether username and password you entered is correct.
- If you have forgotten the password, then reset the router using reset button available on the rear side of the router.
- Please keep reset button pressed till the router reboots to reset to factory default settings. Now, you can try login into the router using default username and password.
- Ensure that you take backup of the router configuration so you can restore the router back after resetting it.

### 2. Router cannot get connected to Internet.

- Access the router's web configuration and verify Internet connection status.
- If you were previously able to connect a computer to Internet directly, try to do that again, and verify whether you can access Internet with your computer directly attached to the device provided by your Internet service provider.
- Check PPPoE user ID and password again.  
Call your Internet Service Provider and verify whether there is some issue with their service.
- Try to reboot the router and verify whether it connects to Internet or not.
- Try to use IP address instead of hostname. If you can use IP address to communicate with a remote server, but can't use hostname, please check DNS setting.

3. Wireless client cannot locate the router.

- Verify whether 'SSID Broadcast' is set to off in router's web configuration.
- Verify whether the antenna is properly connected and in correct direction.
- Is your wireless client far away from your router? Try to get closer to the router.
- Ensure that you input ESSID on your wireless client manually, if SSID broadcast is disabled.



## Limited Lifetime Warranty

This Product is covered under DIGICARE Limited Lifetime Warranty program backed by DIGICARE Service Center. To avail this Limited Lifetime Warranty offer, customer needs to contact DIGICARE's Technical Assistance Center for the same. You may be asked to provide proof of purchase of product for warranty claim of defective product. Please refer website [www.digisol.com](http://www.digisol.com) for the detailed support terms & conditions and support process.

### Warranty Policy

- 1. Hardware Warranty :** Hardware warranty period shall be limited up to Three years. External Power Adapter shall carry One year warranty only against manufacturing defects. Any repair or replacement will be rendered by DIGICARE at its Service Center only.
- 2. Software Warranty :** DIGISOL issues this Limited Software Warranty that the software portion of the product ("Software") will substantially confirm to DIGISOL's then current functional specifications for the software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of one year ("Software Warranty period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation.
- 3. Governing Law:** This warranty shall be governed by Indian Laws.
- 4. Limited Lifetime Warranty** shall subject to the terms & conditions specified in the DIGISOL PRODUCT WARRANTY policy displayed on [www.digisol.com](http://www.digisol.com)



[helpdesk@digisol.com](mailto:helpdesk@digisol.com)  
1800 209 3444



## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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