



Quick Installation Guide

RANGER SERIES

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

DG-BG4300NU



UPTO 24 Mbps

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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)
- 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 3G! 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

- ADSL2/2+ router supporting router/bridge function.
- Download Speed up to 24Mbps and upload speed up to 1Mbps.
- Wireless network speed up to 300Mbps.
- WPS function with push button.
- Four 10/100Mbps Auto-MDI / MDIX, Ethernet LAN ports.
- Quality of Service support.
- Robust WLAN Security.
- Supports VLAN at WAN side.
- Supports IPv6.

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.

LED Name	LED Color	Light Status	Description
Power	Red	ON	Device is initializing or initialization has failed.
	Green	OFF	Power is OFF.
ON		Power is ON.	
LAN (1-4)	Green	ON	PC is connected on LAN Port.
		OFF	PC is Unplugged / Not Connected.
WPS	Green	Blinking	WPS negotiation is enabled, waiting for the clients.
		OFF	WPS negotiation is not enabled on the device.
WLAN	Green	ON	Wireless is enabled.
		Blinking	Data is being transmitted or received.
		OFF	Wireless is not enabled.
USB	Green	ON	USB device is plugged.
		OFF	USB device is not plugged.
DSL	Green	ON	Physical link is UP.
		Blinking	ADSL handshaking process is ON or ADSL Line is unplugged.
		ON	Internet connection is established.
Internet	Green	Blinking	Data is being transmitted or received.
		OFF	Device is not connected to Internet.

Rear View

Below shown is the rear view of the product.



The interfaces are described below.

Interfaces	Description
Antennas	They are 5dBi fixed antennas.
Power	Power connector, connects to A/C power adapter.
Switch	Press this button to power on/off the router.
WPS	Press this button for less than 3 seconds to start WPS function.
WLAN	Press this button up to 3 seconds to ON/OFF WLAN.
USB	USB port is provided for 3G dongle connection or USB disk mass storage.
LAN (1~4)	Local Area Network (LAN) ports 1 to 4.
DSL	Connect ISP line to the Line port.

Note: Kindly note that the Reset button for resetting the device to factory default settings is provided on the back panel of the device.

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 'OK' to Log in.

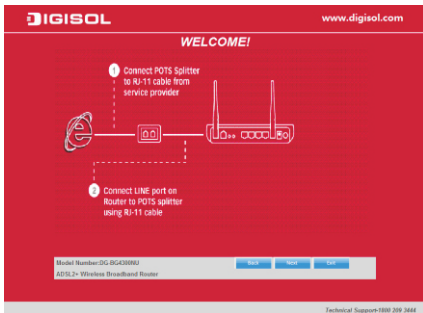


Please note that the below welcome screen will appear when the router configuration is factory defaults. Click "Start" to use the Quick setup wizard for basic settings or click "Advanced" to setup advanced features and skip the Wizard.

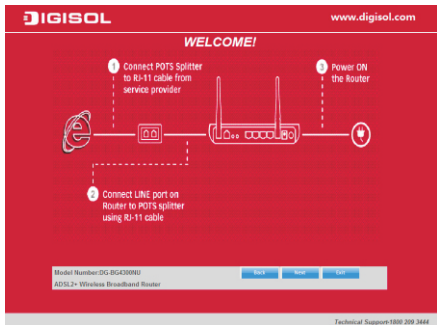
- Once you login the following screen will appear.



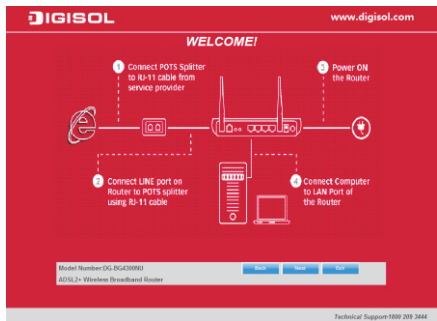
- Click on "Start", the following screen will appear. Connect one end of the RJ-11 telephone cable into the ADSL port provided on the splitter from the service provider and connect the other telephone cable from the splitter to the LINE port on the router. Click 'Next' to continue.



- Power ON the router. Ensure that all the LED's on the router are ON. If not, try the above steps again else click 'Next' to continue.



- Connect one end of the network cable to one of the LAN ports (1~4) of the router and the other end to your computer. Click 'Next' to continue with the installation.



- Click on "Next". The LED description table will appear.

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LED Description:

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		OFF	PC is Unplugged / Not Connected
WPS	Green	Blinking	WPS negotiation is enabled, waiting for the clients.
		OFF	WPS negotiation is not enabled on the device
		ON	Wireless is enabled.
WLAN	Green	Blinking	Data is being transmitted or received
		OFF	Wireless is not enabled
USB	Green	ON	USB device is plugged
		OFF	USB device is not plugged
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
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ADSL2+ Wireless Broadband Router

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Technical Support: 1800 209 3444

- Click on "Next". The screen shown below will appear.

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WELCOME!

Choose Operation Mode

Choose Operation Mode:

ADSL Wireless Router Mode

3G Wireless Router Mode

ADSL with 3G Backup Mode

Select the Operation Mode and Click Next to proceed

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Note: The steps mentioned till here are common for all the modes.

- Enter the "APN code" and "Dialup Number" as shown below. Click on "Next".

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JG Setting

Username:
Password:
APN code: internet
Pin Code:
Dialup Number: 1483

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- Select the type of network protocol and click 'Next' to continue with the installation.

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Configure ADSL.

Please select the type of network protocol for ADSL.

WAN Mode: WAN Mode
 1483 Bridged
 1483 MER
 PPPoE
 PPPoA
 1483 Routed

Encapsulation Mode: Encapsulation
 LLC
 VC-Mux

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- Select the Country: India and then select the service provider from the drop-down list. You can change the VPI/VCI values as instructed by your ISP.

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Configure ADSL

Please select your country and ADSL Service Provider.
The value for VPI and VCI will autofill

Country: India
Service Provider: BSNL
VPI:(0-255) 0
VCI:(32-65535) 35
[ISP count*4](#)

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

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- Click on "Next" and enter the correct user ID and password for PPPoE mode that is provided by your ISP. After the settings are done, click 'Next' to continue with the installation.

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Configure ADSL

Please enter the username and password that your ISP has provided to you

User ID
Password
[PPP setting](#)

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- Following page appears showing the WAN status.

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Running Status

If you get an error message then click "Retry" to configure the settings. Else click "Finish" to complete the configuration.
Click "Next" to setup Wireless configuration.

WAN Link Type	PPPoE
WAN IP	08.90.48.154
Default Gateway	08.90.48.1
Primary DNS	192.168.1.2
Secondary DNS	

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- Once the settings are applied the following screen will appear when you click on "finish". If you click on "Next" the wireless configuration steps will appear as explained below.

DIGISOL DG-BG4300NU Wireless Wireless
ADSL2+ Broadband
Router with TV

System Info

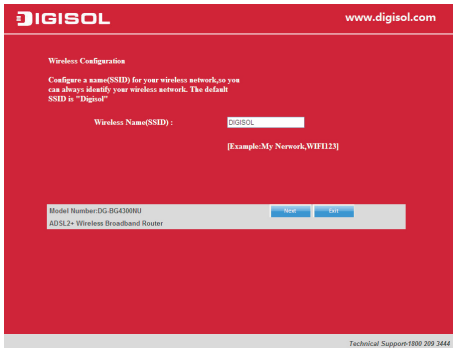
Board ID	000-000-0000
Build	00000000
Primary Version	0.0
BuildDate (GMT)	11-01-2010 00:00
HW, FW and System Version	000000000000
Wireless Driver Version	1.0.0.0.0.0.00000000
Model	000000000000000000000000

This information affects the system status of your DNS connection.

Link Mode - (Automatic) (Default)	On
Link Policy - (Automatic) (Default)	Auto
LAN IP Address	192.168.1.100
LAN DHCP Address	192.168.1.100-200
Default Gateway	192.168.1.1
Primary DNS Server	192.168.1.2
Secondary DNS Server	192.168.1.3
LAN IP Subnet Address	192.168.1.0/24
Default DHCP Gateway	192.168.1.1

Technical Support: 1800-209-3444

- In this page, you can set the SSID for wireless network.



The screenshot shows the 'Wireless Configuration' page of a DIGISOL router. The page has a red header with the DIGISOL logo and the website URL 'www.digisol.com'. Below the header, the title 'Wireless Configuration' is displayed. A paragraph explains that the user should configure a name (SSID) for their wireless network, with the default being 'Digisol'. A text input field labeled 'Wireless Name(SSID) :' contains the text 'DIGISOL'. Below the field, an example '(Example: My Network, WiFi123)' is provided. At the bottom of the form, there is a grey bar containing the model number 'Model Number: DG-BG4300N3' and the product name 'ADSL2+ Wireless Broadband Router'. To the right of this bar are two blue buttons: 'Next' and 'Go'. At the very bottom of the page, there is a footer with the text 'Technical Support: 1800 209 3444'.

- Click 'Next' and the following page appears. In this page, you can select WPA2-PSK as the security mode.



The screenshot shows the 'Configure Wireless Security' page of a DIGISOL router. The page has a red header with the DIGISOL logo and the website URL 'www.digisol.com'. Below the header, the title 'Configure Wireless Security' is displayed. A paragraph explains that wireless security helps protect the network from hackers and malicious users, and that the user should enable WPA Pre-Shared key and enter 8 to 63 characters (alphanumeric, case sensitive) key in the given field below. A dropdown menu labeled 'Security Mode:' is set to 'WPA2-PSK Mixed Mode IV'. Below it, a text input field labeled 'Pre-Shared Key:' contains the text 'digisoll'. At the bottom of the form, there is a grey bar containing the model number 'Model Number: DG-BG4300N3' and the product name 'ADSL2+ Wireless Broadband Router'. To the right of this bar are three blue buttons: 'Back', 'Next', and 'Go'. At the very bottom of the page, there is a footer with the text 'Technical Support: 1800 209 3444'.

- Click 'Next' and the following page appears. In this page, you can view the configuration summary.

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Reusing Status

If you get an error message then click "Retry" to configure the settings. Else click "Finish" to complete the configuration.
Click "Next" to setup Wireless configuration.

WAN Link Type:

WAN IP:

Default Gateway:

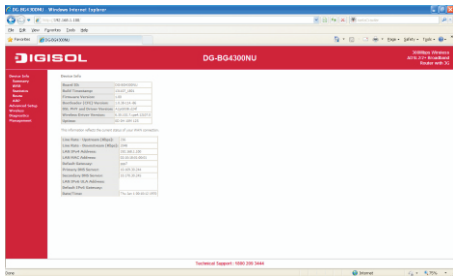
Primary DNS:

Secondary DNS:

Model Number: DG-BG4300NU Back Next Finish

ADSL2+ Wireless Broadband Router

- Click 'Finish' to save your settings and reboot the router. Once the settings are applied the following screen will appear.



The router installation is now complete

This product comes with **lifetime warranty**. For further details about warranty policy and product registration, please visit support section of www.digisol.com





A product of Smartlink Network Systems Ltd

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