

Quick Installation Guide

RANGER SERIES

150MBPS WIRELESS BROADBAND HOME ROUTER

DG-HR1400

V1.0 2014-01-06

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Package Contents

The following items should be present in your package

- DG-HR1400 Wireless Broadband Home Router
- Power adapter (5V DC, 1A)
- Rubber feet (4 Nos.)
- Quick Installation Guide
- Installation Guide CD (includes User Manual, QIG & Utility)
- Patch Cord (1 No.)

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-HR1400 150Mbps 802.11n Wireless Broadband Home Router! DG-HR1400 is the best choice for Small office / Home office users, all computers and network devices can share a single xDSL / cable modem internet connection at high speed. Easy install procedures allow computer users to setup a network environment in very short time - within minutes, even inexperienced users. When the number of your computers and network-enabled devices grow, you can also expand the number of network slots by simply connecting a hub or switch, to extend the scope of your network.

All computers and IEEE 802.11b/g/n wireless-enabled network devices (including PDA, cellular phone, game console and more) can connect to this wireless router without additional cabling. With a compatible wireless card installed in your PC, you can transfer files up to 150Mbps (transfer data rate).

Product Features

- High Internet Access throughput.
- Wireless speed up to 150Mbps.
- Allows multiple users to share a single Internet line.
- Shares a single Cable or xDSL internet connection.
- Access private LAN servers from the internet.
- Four wired LAN ports (10/100M) and one WAN port (10/100M).
- Works with IEEE 802.11b/g/n wireless LAN devices.
- Supports DHCP (Server/Client) for easy IP-address setup.
- Supports multiple wireless modes like: AP, Client, Wireless Bridge and Universal Repeater.
- Advanced network and security features like: Special Applications, QoS, DMZ, Virtual Servers, Access Control, Firewall.
- Allows you to monitor the router's status like: DHCP Client Log, System Log, Security Log and Device/Connection Status.
- Easy to use Web-based GUI for network configuration and management purposes.
- Remote management function allows configuration and upgrades from a remote computer (over the Internet).
- Provides Auto MDI / MDI-X function for all wired Ethernet ports.

System Requirements

The following system requirements are recommended

- Notebook or desktop computer with network adapter (wired/wireless)
- Internet connection, provided by xDSL or cable modem with a RJ-45 Ethernet port.
- Windows 98/ME/2000/XP/Vista
- Web browser (Microsoft Internet Explorer 4.0 or above, Netscape Navigator 4.7 or above, Opera web browser, or Safari web browser).
- An available AC power socket (100 240V, 50/60Hz)

Front View



LED Name	LED Status	Indication	
Power (PWR)	On	Router is switched on and correctly powered.	
	On	WAN port is connected.	
WAN	Off	WAN port is not connected.	
	Blinking	WAN activity (transferring or receiving data).	
	On	LAN port is connected.	
LAN(1-4)	Off	LAN port is not connected.	
Blinking		LAN activity (transferring or receiving data).	
	On	Wireless network is switched on.	
WLAN Off Blinking		Wireless network is switched off.	
		Wireless LAN activity (transferring or receiving data).	
		A wireless device has been successfully added to the network by WPS function.	
WPS	Off	WPS process is not initiated.	
Blinking		A wireless device is connecting to the network by WPS function.	



Interfaces	Description
Antenna	This antenna is a 5dBi dipole antenna.
Power on/off button	Press this button to power on/off the router.
Power	The Power socket is where you will connect the power adapter. Please use the power adapter provided with this Wireless Router.
LAN (1 – 4)	Local Area Network (LAN) ports 1 to 4.
WPS/WIFI	The WPS/WIFI button has two functions. WPS: Press this button for more than 5 seconds to initiate WPS. WIFI: Press this button for less than 5 seconds to enable WLAN.
Reset	Reset the router to factory default settings (clear all settings). Press this button and hold for 5 seconds to restore all settings to factory defaults.
WAN	Wide Area Network (WAN / Internet) port.

Hardware Installation

Please follow the below mentioned instructions to build the network connection between your new WIRELESS router and your computers, network devices:

1. Connect your xDSL / cable modem to the WAN port of the router by an Ethernet cable.



2. Connect all your computers, network devices (switch / hub) to the LAN port of the router.



3. Connect the power adapter (5V DC / 1A) to the wall socket, and then connect it to the 'Power' socket of the router.



4. Please check all LEDs on the front panel. Power LED 'PWR' should be steadily ON, WAN and LAN LEDs should be ON. Check if the computer/network device connected to the respective port of the router is powered ON and correctly connected. If power LED 'PWR' is not ON, or any LED you expected is not ON, please recheck the cabling.

Software Installation

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



• Explore the CD and execute the "AutoRun.exe" file. Below given screen will appear. Click 'Start' to Continue.



• Connect one end of a network cable to the WAN port of the router and the other end to the DSL/Cable modem. Click '**Next**' to continue.

AutoRun V1.1	
JIGISOL	www.digisol.com
Connect the modem to the ro	outer
Connect one end of a network cable to the WAN port of to the DSL/Cable modern. Modern Broadband Router WAN	f the router and the other end Cable / DSL Jack
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Back Next Exit
	Toll Free - 1800 209 3444

• Connect one end of the provided 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.

3 AutoRun V1.1	
JIGISOL	www.digisol.com
Connect the router to the computer	
Connect one end of the provided network cable to one of the LAN ports router and the other end to your computer.	(1~4) of the
LAN WAN Computer	
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Next
To	ll Free - 1800 209 3444

• Power on the Router. It will take approximately 30 seconds for the router to boot up completely. Click '**Next**' to continue with the installation.

AutoRun V1.1	
JIGISOL	www.digisol.com
Power ON the router	
Plug the included power adapter to the router ar power strip. Electrical Outlet LAN Computer	Modem Cable / DSL Jack
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Back Next Exit
	Toll Free - 1800 209 3444

• Ensure the normal indication of all LED's on the router. If not, try the above steps again else click '**Next**' to continue.

	ISC		www.digisol.
Description			1
LED Name	Colour	Status	Description
POWER	GREEN	ON	Device is Powered ON
FOWER	GREEN	OFF	Device is Powered OFF
WAN GREE		ON	Link is Established
	GREEN	OFF	Link is not established or cable Unplugged
	[[BLINKING	Data is transmitting
1		ON	Cable is connected and link is up
LAN (1~4)	GREEN	OFF	Cable is Disconnected OR link is down
		BLINKING	Data is transmitting
		ON	Wireless is ON
WLAN	GREEN	OFF	Wireless is disabled
	11.1557 April 62.551 C 1	BLINKING	Data is transmitting
		OFF	WPS is Off or WPS process not initiated.
WPS GREEN	BLINKING	WPS process on Router is initiated	

 Enter the Router's password to log in to the Router. The default password is "1234". It is recommended to change the router's password to protect it from being accessed by other users. If you do not wish to change the current password, you can leave "New Password" and "Confirm New Password" fields blank. Click 'Enter' to continue.

Password Dialog	×	
Enter the Router's password to log in to the Router. The default password is "1234". It is recommended to change the router's password to protect it from being accessed by other users. If you do not wish to change the current password, you can leave "New Password" and "Confirm New Password" fields blank. Click 'Log in' to continue.		
Current Password		
New Password		
Confirm New Password		
Enter		

• Please select the internet connection type. Click 'Next' to continue.

		ww	/w.digisol.com
Configure WAN Interfa	се		
Please select the internet	connection typ	ре	
WAN Mode	WAN Mode © PPPoE © DHCP © Static IP		
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	. 💻	Back Next	Exit
		Toll Fre	e - 1800 209 3444

NOTE: The steps mentioned till here are the common steps to be followed for all the three modes. Following steps below describe how to configure the respective modes.

PPPoE (DSL users)

• Choose PPPoE. (Point to Point Protocol over Ethernet) If your ISP uses a PPPoE connection you will be provided with a username and password. This option is typically used for DSL services.

AutoRun V1.1		
JIGISC)L	www.digisol.com
Configure PPPc	Æ	
Please enter th has provided to	e username and password that b you	your ISP
User ID	PPP setting PPP_User	
Password	PPP_Password	
Model Number : DG-HR14	00	
150Mbps Wireless Broad	Back	Next Exit

• Once the user name and password is entered click on 'Next', the screen shown below will appear. Click on 'Next'.

AutoRun V1.1	
IGISOL	www.digisol.com
Running Status	f made asing DE.
	nessage then click "Back" to ings. Else click "Finish" to complete
WAN Link Type	IPPPoE
WAN IP	Auto
Default Gateway	Auto
Primary DNS	Auto
Secondary DNS	Auto
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Back Next Finish
	Toll Free - 1800 209 3444

• Enter the 'SSID' and click on 'Next'.

🕽 AutoRun V1.1	
IGISOL	www.digisol.com
Wireless Configuration	
Configure a name (SSID) for your v can always identify your wireless SSID is "Digisol"	
Wireless Name (SSID): <mark>Digist</mark> [Ex	ample: MyNetwork, WIFI123]
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Next Exit
	Toll Free - 1800 209 3444

• Configure the wireless security. Enter the security mode i.e. either 'None' or 'WPA2 Mixed' and click on 'Next'.

J AutoRun V1.1		
IGISOL	www.digisol.com	
Configure Wireless Security		
Wireless security helps to protect your wireless network from hackers and malicious users. Please enable the WPA Pre-Shared key and enter 8 to 63 characters (alphanumeric, case sensitive) key in the given field below		
Security Mode:	WPA2 Mixed	
Pre-Shared Key:	digisoltest	
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Back Next Exit	
	Toll Free - 1800 209 3444	

• The screen as shown below will appear. Click on 'Finish'.



• Lastly, the router will reboot as shown below.

AutoRun V1.1	JL		www.digisol.com
Summarizing Wireles	s Configuration		
Following is the sum		router's wireless	configuration:
Internet Connection	Wireless setup		
Wireless Name (SSID	Wireless setup OK, All setup f		
Wireless Security:		inished.	
Security Key:	Rebooting now		
	(OK		
Click 'Finish' to save			
Once the router rebo router wirelessly.	ots, you can connec	t wireless clients	to the
Model Number : DG-HR14 I50Mbps Wireless Broad		Back	Finish
		To	ll Free - 1800 209 3444

DHCP (Cable Modem users)

• Select DHCP Client to obtain IP Address information automatically from your ISP. Click on '**Next**'.

		www.i	digisol.com
Configure WAN Interfa	ce		
Please select the internet		e	
WAN Mode	WAN Mode PPPoE DHCP Static IP		
lodel Number : DG-HR1400 50Mbps Wireless Broadband Router	B	a ck Next	Exit
		Toll Free - 1	800 209 3444

• The screen shown below will appear. Click on 'Next'.

AutoRun V1.1	
IGISOL	www.digisol.com
Configure WAN	
Click "Next" if DHCP is selected or enter Static IP Address if Static IP is selected below and then click "Next" to proc	
• DHCP • Static IP	
IP address 11.22.33.44	
Subnet Mask 255.0.0	
Default Gateway 11.22.33.55 Primary DNS 11.22.33.66	
Primary DNS 11.22.33.66 Secondary DNS 11.22.33.77	
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Next Exit
	oll Free - 1800 209 3444

• Below mentioned screen will appear. Click on 'Next'.

		www.digisol.com
Running Status	ande some OK	
If you get an error m reconfigure the sett the configuration.		click "Back" to k "Finish" to complete
WAN Link Type	DHCP	
WAN IP	Auto	
Default Gateway	Auto	
Primary DNS	Auto	
Secondary DNS	Auto	
and the second		
Model Number : DG-HR1400 150Mbps Wireless Broadband Route	er 📃	Back Next Finish
		Toll Free - 1800 209 3444

• Enter the 'SSID' and click on 'Next'.

AutoRun V1.1	
JIGISOL	www.digisol.com
Wireless Configuration	
Configure a name (SSID) for y can always identify your wire SSID is "Digisol"	your wireless network, so you eless network. The default
Wireless Name (SSID):	DIGISOL [Example: MyNetwork, WIFI123]
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Next Exit
	Toll Free - 1800 209 3444

• Configure the wireless security. Enter the security mode i.e. either 'None' or 'WPA2 Mixed' and click on 'Next'.

	www.digisol.com
Configure Wireless Security	
hackers and malicious users	otect your wireless network from . Please enable the WPA Pre-Shared cters (alphanumeric, case sensitive)
Security Mode:	WPA2 Mixed
Pre-Shared Key:	digisoltest
Model Number : DG-HR1400	Back Next Exit
150Mbps Wireless Broadband Router	Toll Free - 1800 209 3444

• Following screen will appear. Click on 'Finish'.

AutoRun V1.1			
JIGISOI			www.digisol.com
Summarizing Wireless Con	figuration		
Following is the summary	of your Digisol	router's wireles	s configuration:
Internet Connection Type: Wireless Name (SSID): Wireless Security: Security Key:	DHCP DIGISOL WPA2 Mixed digisoltest		
Click 'Finish' to save your (Once the router reboots, y router wirelessly.			
Model Number : DG-HR1400 150Mbps Wireless Broadband F	touter	Back	Finish
		Τι	oll Free - 1800 209 3444

• Lastly, the router will reboot as shown below.



Static IP (Cable Modem users)

 Select Static IP Address if all the Internet port's IP information is provided to you by your ISP. You will need to enter in the IP address, subnet mask, gateway address and DNS address provided to you by your ISP. Each IP address entered in the fields must be in the appropriate IP form, which are four octets separated by a dot (x.x.x.x). The Router will not accept the IP address if it is not in this format. Click on 'Next'.

AutoRun V1.1			
IGISOL		www.dig	gisol.com
Configure WAN			
Click "Next" if DHCP is selected if Static IP is selected below a			
C DHCP	· Static IP		
IP address	11.22.33.44		
Subnet Mask	255.0.0.0		
Default Gateway	11.22.33.55		
Primary DNS	11.22.33.66		
Secondary DNS	11.22.33.77		
Model Number : DG-HR1400			
150Mbps Wireless Broadband Router		Back Next	Exit
		Toll Free - 180	0 209 3444

• The screen shown below will appear. Click on 'Next'.

AutoRun V1.1			
JIGISOL		www.	digisol.com
Running Status	IP node semp OK.		
If you get an error m reconfigure the sett the configuration.			te
WAN Link Type	Static IP		
WAN IP	121.242.57.56		
Default Gateway	121.242.57.33		
Primary DNS	4222		
Secondary DNS	4.2.2.1		
Model Number : DG-HR1400 150Mbps Wireless Broadband Route	r Baa	k Next	Finish
		Toll Free - 1	800 209 3444

• Enter the 'SSID' and click on 'Next'.

AutoRun V1.1	
IGISOL	www.digisol.com
Wireless Configuration	
Configure a name (SSID) for your wireless n can always identify your wireless network. SSID is "Digisol"	
Wireless Name (SSID): DIGISOL [Example: M	yNetwork, WIFI123]
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	N ext Exit
	Toll Free - 1800 209 3444

• Configure the wireless security. Enter the security mode i.e. either 'None' or 'WPA2 Mixed' and click on 'Next'.

🕽 AutoRun V1.1	
JIGISOL	www.digisol.com
Configure Wireless Security	
hackers and malicious users.	otect your wireless network from Please enable the WPA Pre-Shared ters (alphanumeric, case sensitive)
Security Mode:	WPA2 Mixed
Pre-Shared Key:	digisoltest
Model Number : DG-HR1400	Back Next Exit
150Mbps Wireless Broadband Router	Toll Free - 1800 209 3444

• You can view the information about the wireless configuration in the next screen. Click '**Finish**' to save your current settings and reboot the router.

		the second s
JIGISOL	-	www.digisol.com
Summarizing Wireless Confi	guration	
Following is the summary of	f your Digisol router's wire	less configuration:
Internet Connection Type: Wireless Name (SSID): Wireless Security: Security Key:	Static IP DIGISOL WPA2 Mixed digisoltest	
Click 'Finish' to save your cu Once the router reboots, yo router wirelessly.		
Model Number : DG-HR1400 150Mbps Wireless Broadband Ro	outer Back	Finish
		Toll Free - 1800 209 3444

Web Management

Connecting the router's management interface by web browser: After you assign an IP address to the computer, open the web browser, and type the IP address of the router in the address bar as 'http://192.168.2.1'. The following message will be shown:



Please input user name and password in the field respectively, default user name is '**admin**', and default password is '**1234**', then press '**Login**' button, and you can see the web management interface of this router:

IGISC		DG-	HR14		150Mbps Wirele Broadband Rou	
Setup	Wireless	Advanced	м	laintenance	Status	Help
nfo Wireless Rou	iter Status					Helpful Hints
lient Table This page show	This page shows the current status and some basic settings of the device.					
5						your router statu including device fi
System						version, summary your Internet
						configuration incl ethernet status.
	Product Name Uptime			DG-HR1400 0 days, 0:16:0		
	Date/Time			Thu Jan 1 0:16:0 1970		
	Firmware Version Built Date			1.00.02 Dec 23 2013 11:10:46		
	Serial Number				10:46 02	
LAN Configu	LAN Configuration					
	IP Address		192.168.2.1			
	Subnet Mask			255.255.255.0		
	DHCP Server MAC Address			Enable 00:17:7C:00:00:02		
WLAN Config		, ,				
						_
	Wireless		Enabled			
	Mode SSID Encryption Channel Broadcast SSID WPS			AP DIGISOL None 6 Enabled Enabled		
	Repeater Status Disconnected					
WAN Configu	WAN Configuration					
Interface	Protocol IP Add		DNS		Status	
WAN	DHCP 0.0.0		0.0.0.0	LINK DOW	m(DHCP Client)	
		Refresh				
		Technical Sunnort:18	n 200 3444			
			22			

FAQ

Following are the solutions to problems that may occur during the installation and operation of the Digisol DG-HR1400 Router.

- 1. Router cannot get connected to internet.
 - Access the router's web configuration and go to 'status'->'Internet Connection' menu 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 cannot use hostname, please check DNS settings.
- 2. Wireless client cannot locate the router.
 - Verify whether 'Broadcast ESSID' 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 ESSID broadcast is disabled.

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



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