

Quick Installation Guide

RANGER SERIES

150MBPS WIRELESS BROADBAND HOME ROUTER

DG-HR1400

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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 s		Wireless network is switched on.	
WLAN	Off	Wireless network is switched off.	
	Blinking	Wireless LAN activity (transferring or receiving data).	
	On	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	Press this button to power on/off the router.
button	
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.	s (1~4) of the
LAN WAN Computer	
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	Next Exit
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 power strip. Electrical Outler LAN Computer	r and connect it to an outlet or 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.

			www.digisol.
D Description			
LED Name	Colour	Status	Description
2011/52	COLEMA	ON	Device is Powered ON
POWER	GREEN	OFF	Device is Powered OFF
	GREEN	ON	Link is Established
WAN		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
of the standards		BLINKING	Data is transmitting
WDC	COLEM	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.

		www.digisol.com
Configure WAN Interfa	ce	
Please select the internet	connection type	
WAN Mode	WAN Mode PPPoE C DHCP C Static IP	
Model Number : DG-HR1400 150Mbps Wireless Broadband Router	. Bačk	Next Exit

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	DL	www.digisol.com
Configure PPPo	ÞE	
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	band Router	Next Exit Toll Free - 1800 209 3444

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

AutoRun V1.1		
JICISUL		www.digisol.com
Running Status	mole setup OE.	
If you get an error m reconfigure the setti the configuration.	essage then click "Ba ngs. Else click "Finist	ack" to 1" to complete
WAN Link Type	PPPoE	
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 y can always identify your wire SSID is "Digisol"	our wireless network, so you less network. The default
Wireless Name (SSID):	DIGISOL [Example: MyNetwork, 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'.

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.

	JL	www.digisol.com
Summarizing Wireless	s Configuration	
Following is the sum	nary of your Digisol rout	er's wireless configuration:
Internet Connection	Wireless setup	ব
Wireless Name (SSID		
Wireless Security:	wireless setup OK, Ali setup rinisnea.	
Security Key:	Rebooting now	
	OK	
Click 'Finish' to save	יטעו כעווכוונ פכננווקפ מווי	reboot the router.
Once the router reborrouter wirelessly.	ots, you can connect wir	reless clients to the
Model Number : DG-HR14 150Mbps Wireless Broadl	00 Dand Router	Bock Finish
		Tell Eres - 1900 200 2///

DHCP (Cable Modem users)

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

DIGISOL		www.c	ligisol.com
Configure WAN Interfa	60		
Please select the internet	connection type	9 0	
WAN Mode	WAN Mode PPPoE DHCP Static IP		
lodel Number : DG-HR1400 50Mbps Wireless Broadband Router		ick 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 pro	s ceed.
C DHCP C Static IP	
IP address 11.22.33.44	
Subnet Mask 255.0.0	
Primary DNS 11 22 33 55	
Secondary DNS 11.22.33.00	
Model Number : DG-HR1400	Next
150Mbps Wireless Broadband Router	
	foll Free - 1800 209 3444

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

AutoRun V1.1		
JIGISOL		www.digisol.com
Running Status	mada entrop DIE.	
If you get an error m reconfigure the setti the configuration.	essage then click "B ngs. Else click "Finis	ack" to h" to complete
WAN Link Type	DHCP	
WAN IP	Auto	
Default Gateway	Auto	
Primary DNS	Auto	
Secondary DNS	Auto	
Model Number : DG-HR1400 150Mbps Wireless Broadband Route	Back	Next Finish
		Toll Free - 1800 209 3444

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

3 AutoRun V1.1	
JIGISOL	www.digisol.com
Wireless Configuration	
Configure a name (SSID) for your can always identify your wireless SSID is "Digisol"	wireless network, so you network. The default
Wireless Name (SSID): Digis [E>	oL ample: MyNetwork, WIFI123]
Model Number : DG-HR1400	Net
150Mbps Wireless Broadband Router	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	
Wireless security helps to pr hackers and malicious users key and enter 8 to 63 charao key in the given field below	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.	current setting ou can connect	s and reboot the t wireless client	e router. s to the
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.digisol.com
Configure WAN		
Click "Next" if DHCP is selected if Static IP is selected below a	ed or enter Si Ind then click	Static IP Address k "Next" to proceed.
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 - 1800 209 3444

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

AutoRun V1.1		
JIGISOL		www.digisol.com
Running Status	IP node somp OK.	
If you get an error m reconfigure the sett the configuration.	lessage then click ings. Else click "Fil	"Back" to nish" to complete
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 Bac	k 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 your wireless net can always identify your wireless network. Th SSID is "Digisol"	work, so you ne default
Wireless Name (SSID): DIGISOL [Example: MyN	letwork, 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'.

3 AutoRun V1.1	
IGISOL	www.digisol.com
Configure Wireless Security	
Wireless security helps to protect your w hackers and malicious users. Please enal key and enter 8 to 63 characters (alphan key in the given field below	vireless network from ble the WPA Pre-Shared umeric, 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.

🕽 AutoRun V1.1		
JIGISOI		www.digisol.com
Summarizing Wireless Con	figuration	
Following is the summary of	of your Digisol router's v	vireless configuration:
Internet Connection Type: Wireless Name (SSID): Wireless Security: Security Key:	Static IP DIGISOL WPA2 Mixed digisoltest	
Click 'Finish' to save your o Once the router reboots, yo router wirelessly.	current settings and rebo ou can connect wireless	oot the router. clients to the
Model Number : DG-HR1400 150Mbps Wireless Broadband R	couter Bock	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:

	SISOL			DG-HR1400				150Mbps Wireless Broadband Router	
	Setup	Wii	eless	Advanced		Maintenance	Status		Help
Device Info	Wireless Rou	ter Status							Helpful Hints
Active Client Table	This page shows the current status and some basic settings of the device.								This page displays a summary overview of
Statistics									your router status, including device firmwar
IPV6	System								version, summary of your Internet
									configuration including ethernet status.
			DG-HR1400				More		
	Uptime Date/Time			0 days, 0:16:0 Thu Jan 1 0:16:0 1970					FIOTC
	-	Vate	Dec 23 2013 11:10:46						
		Serial Nu	ımber		00177C000002				
	LAN Configuration								
	IP Address				192.168.2.1				
	Subnet Mask				255.255.2				
	DHCP Server				Enable				
	MAG AGURESS 00:17.70:00:00:02								
	WLAN Configuration								
	Wiroloss Enabled								
		Mod	e	AP DIGISOL					
		SSI	D						
		tion		None 6					
		nel							
		t SSID	Enabled						
		Status		Disconnected					
	WAN Configuration								
	Interface	Protocol	IP Address	Gateway	DNS		Status		
	WAN	DHCP	0.0.0.0	0.0.0.0	0.0.0.0	Link Dov	wn(DHCP Client)		
	Refresh								
								_	
			Terhn	ical Support:180	n 209 3444				
					\mathbf{r}				

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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