



Quick Installation Guide

RANGER SERIES

150Mbps WI-FI BROADBAND 3G HOME ROUTER WITH USB PORT

DG-HR1420

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Package Contents

The following items should be present in your package:

- DG-HR1420 Wireless Broadband Home Router
- Power adapter (5V DC, 1.5A)
- Rubber feet (4 Nos.)
- Quick Installation Guide
- Installation Guide CD (includes User Manual & QIG)
- Patch Cord (1 No.)
- USB extension cable (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-HR1420 150Mbps 802.11n Wireless Broadband Home Router! DG-HR1420 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, Wireless Bridge (WDS) 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 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)

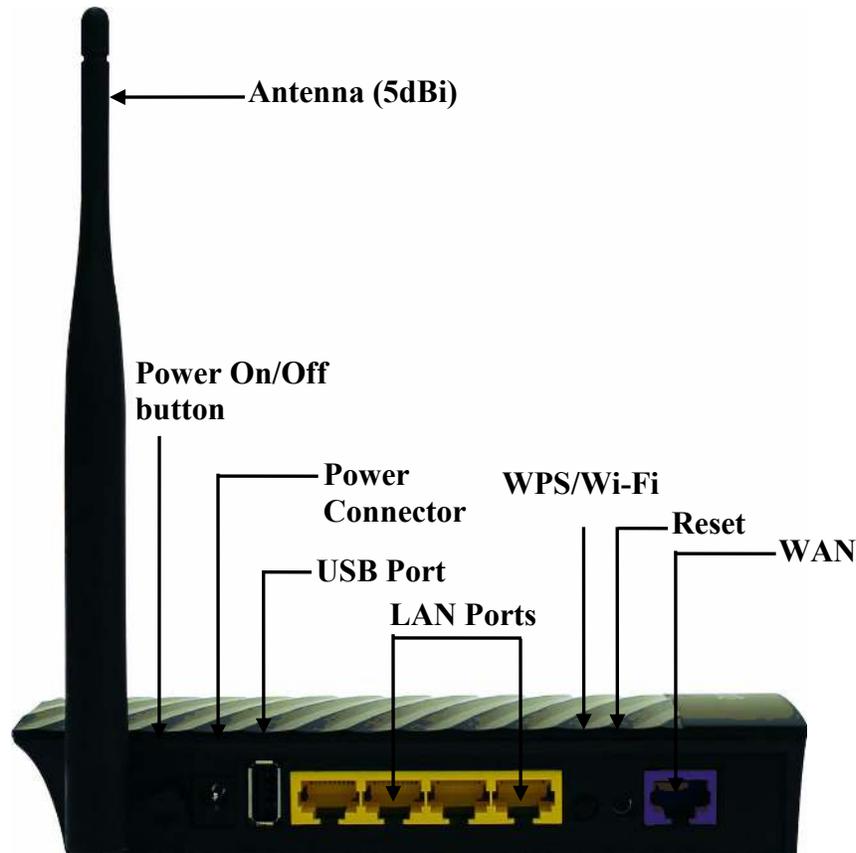
Front View



| LED Name | LED Status | Indication |
|-------------|------------|---|
| Power (PWR) | On | Router is switched on and correctly powered. |
| WAN | On | WAN port is connected. |
| | Off | WAN port is not connected. |
| | Blinking | WAN activity (transferring or receiving data). |
| LAN(1-4) | On | LAN port is connected. |
| | Off | LAN port is not connected. |
| | Blinking | LAN activity (transferring or receiving data). |
| WLAN | On | Wireless network is switched on. |
| | Off | Wireless network is switched off. |
| | Blinking | Wireless LAN activity (transferring or receiving data). |

| | | |
|-----|----------|---|
| WPS | On | A wireless device has been successfully added to the network by WPS function. |
| | Off | WPS process is not initiated. |
| | Blinking | A wireless device is connecting to the network by WPS function. |
| USB | On | USB Device is connected. |
| | Off | USB Device is not connected. |

Rear View



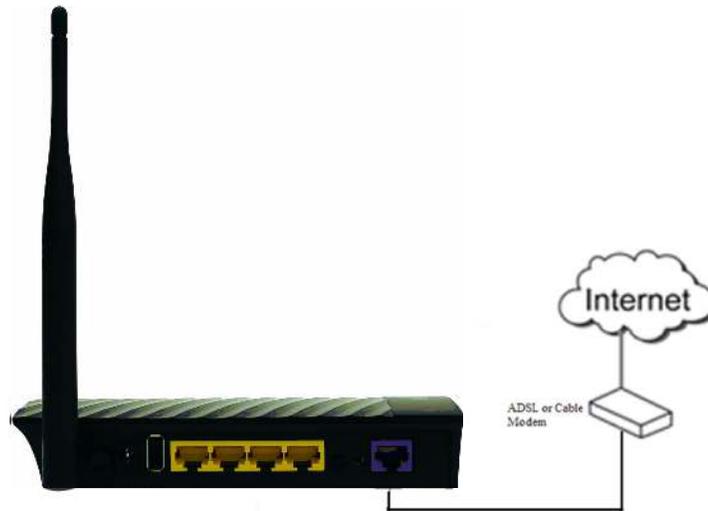
| Interfaces | Description |
|---------------------|--|
| Antenna | This antenna is a 5dBi dipole antenna. |
| Power on/off button | Press this button to power on/off the router. |
| Power Connector | The Power socket is where you will connect the power adapter. Please use the power adapter provided with this Wireless Router. |
| USB Port | To connect compatible USB Devices. (3G Dongle, USB Mass Storage) |
| 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 / 1.5A) to the wall socket, and then connect it to the 'Power' socket of the router.



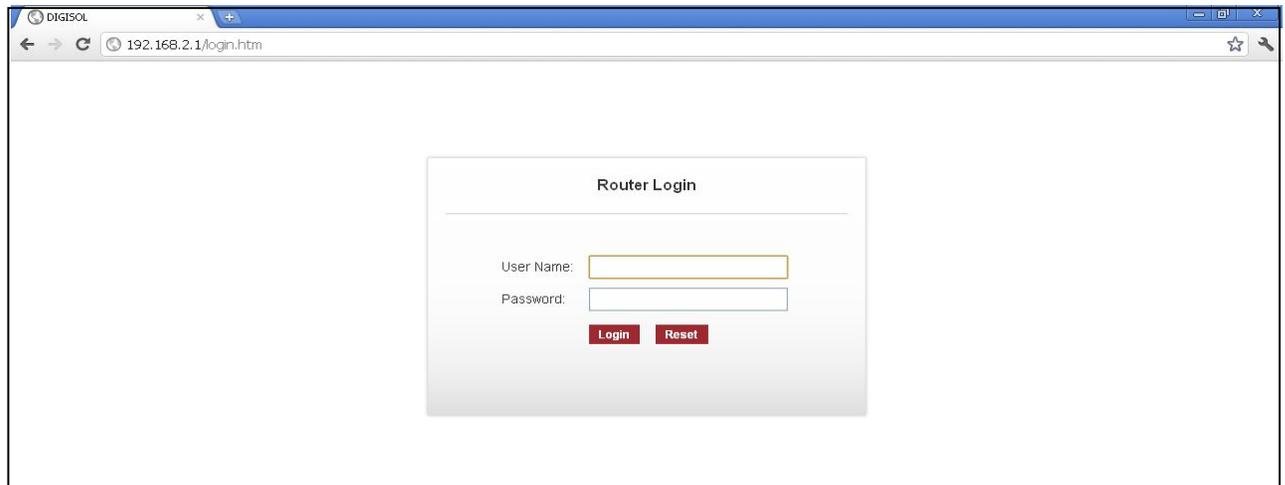
4. Please check all LEDs on the front panel. Power LED 'PWR' should be steadily ON, WAN and LAN LEDs should be ON. Check if the computer/network device connected to the respective port of the router is powered ON and correctly connected. If power LED 'PWR' is not ON, or any LED you expected is not ON,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

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://192.168.1.1**'.

The following message will be shown:



The screenshot shows a web browser window with the address bar displaying '192.168.2.1/login.htm'. The main content area displays a 'Router Login' form. The form has a title 'Router Login' and a horizontal line below it. It contains two input fields: 'User Name:' and 'Password:'. Below the input fields are two buttons: 'Login' and 'Reset'.

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:

The screenshot displays the web management interface for a DIGISOL DG-HR1420 150Mbps Wireless 3G Broadband Router. The interface features a top navigation bar with tabs for Status, Wizard, Setup, Advanced, Service, Firewall, and Maintenance. The main content area is titled "Wireless Router Status" and includes a sub-section for "System" with fields for Alias Name, Uptime, Date/Time, Firmware Version, and Built Date. Below this is the "LAN Configuration" section, which includes IP Address, Subnet Mask, IPv6 Address, DHCP Server, and MAC Address. The "DNS Status" section shows DNS Mode, DNS Servers, IPv6 DNS Mode, and IPv6 DNS Servers. The "Ethernet WAN Interfaces" section contains a table with columns for Interface, Droute, Protocol, IP Address, Gateway, and Status. The "Ethernet WAN IPV6 Configuration" section contains a table with columns for Interface, Protocol, IPv6 Address, Prefix, Gateway, Droute, and Status. The "WAN 3G Connections" section contains a table with columns for Interface, Droute, Protocol, IP Address, Gateway, and Status. A "Refresh" button is located at the bottom left of the main content area, and a "Technical Support - 1800 209 3444" link is at the bottom right.

DIGISOL™ **DG-HR1420** **150Mbps Wireless 3G Broadband Router**

Status **Wizard** **Setup** **Advanced** **Service** **Firewall** **Maintenance**

Device_info

> Device_info

Statistics

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

System

| | |
|------------------|------------------------|
| Alias Name | DG-HR1420 |
| Uptime | 0 0:14:57 |
| Date/Time | Sun Jan 1 2012 5:44:57 |
| Firmware Version | V1.0.0 |
| Built Date | Sep 3 2014 10:06:30 |

LAN Configuration

| | |
|--------------|-------------------------|
| IP Address | 192.168.1.1 |
| Subnet Mask | 255.255.255.0 |
| IPv6 Address | fe80::205:1dff:fe03:405 |
| DHCP Server | Enable |
| MAC Address | 00:17:7C:31:27:65 |

DNS Status

| | |
|------------------|-------------------------|
| DNS Mode | Manual |
| DNS Servers | 4.2.2.2 4.2.2.3 8.8.8.8 |
| IPv6 DNS Mode | Auto |
| IPv6 DNS Servers | |

Ethernet WAN Interfaces

| Interface | Droute | Protocol | IP Address | Gateway | Status |
|-----------|--------|-----------|---------------|---------------|--------|
| WAND | On | STATIC IP | 121.242.57.56 | 121.242.57.33 | down |

Ethernet WAN IPV6 Configuration

| Interface | Protocol | IPv6 Address | Prefix | Gateway | Droute | Status |
|-----------|-----------|--------------|--------|---------|--------|--------|
| WAND | STATIC IP | | | | | down |

WAN 3G Connections

| Interface | Droute | Protocol | IP Address | Gateway | Status |
|-----------|--------|----------|------------|---------|--------|
| | | | | | |

[Refresh](#)

[Technical Support - 1800 209 3444](#)

FAQ

Following are the solutions to problems that may occur during the installation and operation of the Digisol DG-HR1420 Router.

1. Router cannot get connected to internet.

- Access the router's web configuration and go to 'status'->'Device_Info' menu and verify internet connection status.
- If you were previously able to connect a computer to the 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 host name. If you can use IP address to communicate with a remote server, but cannot use host name, please check DNS settings.
- If you are using 3G USB Dongle, then please verify if it is compatible with the router using the compatibility list available on website or call 1800 209 3444.

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



"PRODUCTS SOLD OUTSIDE INDIA CARRY 1 YEAR WARRANTY ONLY"



A product of Smartlink Network Systems Ltd

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