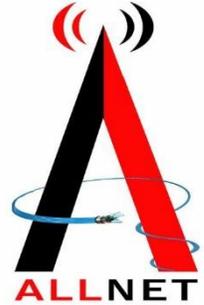


Configuring a Netgear Router

Basic Configuration Steps

Configuring Your Router



STEP 1 (a): Connect Your PC to the Router

- Unbox the router and power up the router.
- Connect the Act internet cable to the WAN/Internet port(different coloured port) of the router.
- An extra LAN cable will be available with the router, take LAN cable connect one end to the LAN port(1-4) of the router(any one port) and one end to the PC or Laptop.
- In the system press key & R key together to open Run dialog box.
- Type ipconfig on the command prompt(Black screen) . The default gateway of the LAN or Ethernet adapter will be the Router address. (Ex:192.168.1.1)

```
C:\Users\USER>ipconfig

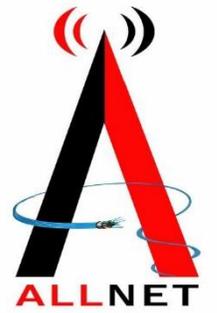
Windows IP Configuration

Wireless LAN adapter Wireless Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . : ATRIA

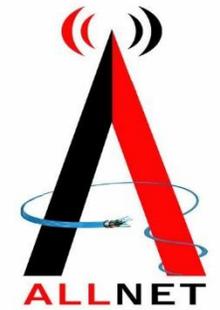
Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . :
    IPv4 Address. . . . . : 192.168.1.101
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1
```



STEP 1 (b): Connect Your Mobile

- Switch on the router and connect ALLNET internet cable to the WAN/Internet port of the router.
- Go to setting in the Mobile, turn on Wi-Fi and wait until the mobile detects router name press the router name to connect.
- If the router is already configured and the Wi-Fi password is known then go to settings in the Mobile.
- Under “Wireless and Networks”, press Wi-Fi make sure "Wi-Fi" is turned on.
- Wait until the mobile detects router name press the router name if prompted enter the Wi-Fi password and press Connect.



NOTE

- Every Router Configuration has two parts
 - Configuring the Internet Part, where we tell the Router how to connect to the internet.
 - Configuring the Wi-Fi Part, where we decide the name and password with which we connect to the Router.
- Internet Configuration shown here will guide to Configure the Router in PPPoE.
 - This will enable you to browse internet directly, every time you connect to the router. No need to login again and again.
- Wi-Fi Configuration has also been given, in order to ease the process of you connecting to the Router.
 - SSID and Password Creation have been explained.
 - Few high end routers have two bands to work on
 - 2.4 GHz and 5 GHz – 2.4 GHz band provides higher range, but lesser speed.
 - 5 GHz band provides lower range, but higher speed. – Changing Different Wi-Fi Channels
 - Helps in reducing Slow Speed Issues.

STEP 2: Logging into the Router

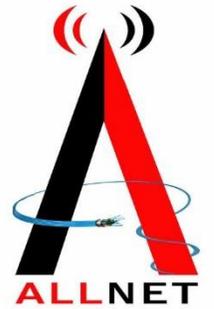


- Open a browser -> Enter the below IP Address in the Address Bar. A login page appears. The usual usernames and passwords are given in the table below.

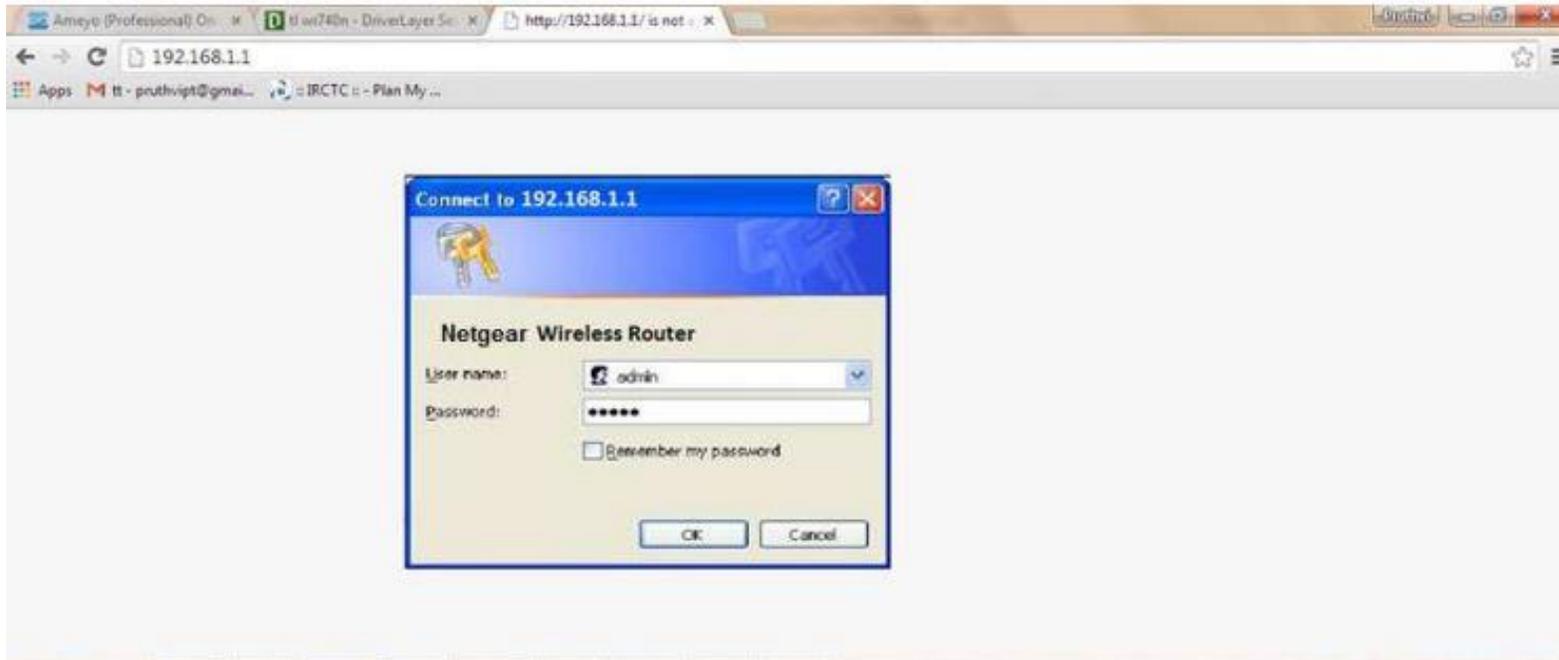
Router Name	IP Address	Username	Password
Cisco or Linksys	192.168.1.1	admin	admin
D-Link	192.168.0.1	admin	(blank)
TP-Link	192.168.0.1	admin	admin
Netgear	192.168.1.1	admin	password
Belkin	192.168.2.1	Click on Login in Home	(blank)
Tenda	192.168.0.1	admin	admin
i-Ball Baton	192.168.1.1	admin	admin
Digisol	192.168.2.1	admin	1234 or admin
Asus	192.168.1.1	admin	admin

- If all the above credentials do not work, please check the back of the router where the username and password will be mentioned.

STEP 3(a): Internet Connectivity – PPPoE Configuration

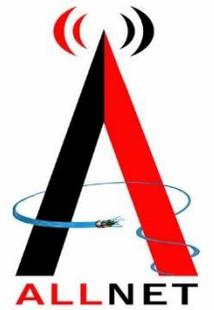


- Step 1 : Open any web browser
- Step 2 : Type Router page address on the address bar(192.168.1.1)
- Step 3 : Login with credentials



STEP 3(b): Internet Connectivity – PPPoE Configuration

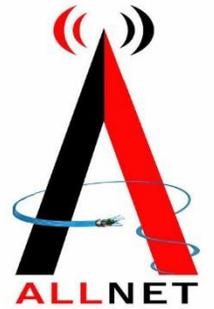
- Home Page on Logging In



The screenshot shows the NETGEAR genie web interface for a DGN2200v4 router. The interface is divided into 'BASIC' and 'ADVANCED' sections. The 'BASIC' section is active, showing a left-hand navigation menu with options: Home, Internet, Wireless, Attached Devices, Parental Controls, ReadySHARE, and Guest Network. The 'Internet' option is highlighted with a red border. The main content area displays six status cards:

Category	Status	Details
Internet	GOOD	Internet connectivity is active.
Wireless	Active	Name(SSID): NETGEAR20 Key/Password: shinytomat
Attached Devices	1 Device	Number of Devices : 1
Parental Controls	NOT ENABLED	Parental controls are disabled.
ReadySHARE	No USB drive	ReadySHARE is not active due to no USB drive.
Guest Network	NOT ENABLED	Guest network is disabled.

Internet Connectivity – PPPoE Configuration



- Step 1: Enter the portal username in the PPPoE username field
- Step 2: Enter the portal password in the PPPoE password
- Step 3: Enter the Service Name
- Click on Apply
- By Default Username & Password is same.

Basic Settings

Does Your Internet Connection Require A Login?

- Yes
 No

Internet Service Provider

PPPoE

Login

Password

Service Name (If Required)

Idle Timeout (In Minutes)

Portal page
Username and
password

Username

.....

5

Domain Name Server (DNS) Address

- Get Automatically From ISP
 Use These DNS Servers

Primary DNS

□ . □ . □ . □

Secondary DNS

□ . □ . □ . □

Apply

Cancel

Test

STEP 4: Wi-Fi Connectivity – Router SSID/Password Configuration

- Step 1: Type in your preferred Wi-Fi name in SSID(Network name dialog box). Region Select Asia.
- Step 2: All the remaining field are set by default.
- Step 3: click on Apply.



BASIC **Advanced**

Home
Internet
Wireless
Attached Devices
Parental Controls
ReadySHARE
Guest Network

Wireless Settings [Cancel] [Apply]

Region Selection
Region: United States

Wireless Network (2.4GHz b/g/n)
Name (SSID): NETGEAR
Channel: Auto
Mode: Up to 300 Mbps

Internet Setup
 Enable SSID Broadcast
 Enable Wireless Isolation

Security Options
 None
 WPA2-PSK [AES]
 WPA-PSK [TKIP] + WPA2-PSK [AES]
 WPA/WPA2 Enterprise

Security Options (WPA2-PSK)
Passphrase: 12345678 (8-63 characters or 64 hex digits)

Help Center

HELP & SUPPORT Documentation | Support NETGEAR.com | Router FAQ SEARCH HELP

STEP 5 : Reboot

- After done the configuration.
- Go to Advanced → Advanced Setup → Reboot the router.

The screenshot shows the NETGEAR genie WNR2000v4 web interface. The 'ADVANCED' tab is selected. In the left sidebar, 'Advanced Setup' is circled in red. The main content area is divided into four sections: Router Information, Internet Port, Wireless Settings, and Guest Network. The 'Reboot' button is visible under the Router Information section.

NETGEAR genie™
WNR2000v4

BASIC **ADVANCED**

ADVANCED Home
Setup Wizard
WPS Wizard
› Setup
› Security
› Administration
› Advanced Setup

Router Information

Hardware Version	WNR2000v4
Firmware Version	V1.0.0.40
GUI Language Version	V1.0.0.159
Operation Mode	Router

LAN Port

MAC Address	28:C6:8E:AA:F1:D2
IP Address	192.168.1.1
DHCP Server	On

Internet Port

MAC Address	28:C6:8E:AA:F1:D3
IP Address	10.1.10.11
Connection	DHCP
IP Subnet Mask	255.255.255.0
Domain Name Server	10.1.10.1

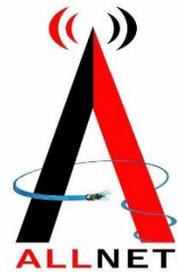
Wireless Settings

Name (SSID)	NETGEAR05
Region	North America
Channel	Auto (6)
Mode	Up to 150 Mbps
Wireless AP	On
Broadcast Name	On
Wi-Fi Protected Setup	Configured

Guest Network

Name (SSID)	NETGEAR-Guest
Wireless AP	Off
Broadcast Name	On
Allow guests to see each other and access my local network	Off

Reboot **Show Statistics** **Connection Status**



STEP 6 (As and when required): Firmware upgrade

- System Tools > firmware upgrade > upload the new firmware file > upgrade firmware
- You can choose to download a Firmware version and then upload it offline or choose to download directly from internet itself.

NETGEAR genie
WNR2000v5

Logout
Firmware Version V1.0.0.28
Auto

BASIC **ADVANCED**

ADVANCED Home
Setup Wizard
WPS Wizard
▶ Setup
▶ Security
▼ Administration
Router Status
Logs
Attached Devices
Backup Settings
Set Password
Firmware Upgrade

Firmware Upgrade

Check for new version from the Internet. **Check**

Locate and select the upgrade file on your hard disk.
Choose File No file chosen

Cancel Upload