GN-BR402W FCC ID : JCK-GN-BR402W Wireless Broadband Router User's Guide

http://www.gigabyte.com.tw

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# **1. Product Introduction**

# **1-1 About this Product**

Thank you for using Gigabyte GN-BR402W Wireless Broadband Router. This product comes with high-performance transmission rate and compatible wireless connectivity for either your home or business and will allow you to access the data whenever you want. You will be able to enjoy the freedom that wireless networking delivers. Additionally, GN-BR402W enables you to easily setup all procedures in no time before using this product

#### **1-2 Accessories**

- Gigabyte GN-BR402W Broadband Router x 1
- Adapter (5V, 2A) x 1
- User's Guide x 1
- CD (including User's Guide and Software) x 1
- -RJ45 Network Cable (Cross-Over) x 2

#### **1-3 Specifications**

| GN-BR402W | Quantity | Description                    |
|-----------|----------|--------------------------------|
| LAN       | 4        | 10/100 Mbps, RJ-45 Insert Hole |
| USB       | 1        | USB (B type) Insert Hole       |
| WAN       | 1        | 10/100 Mbps, RJ-45 Insert Hole |
| COM       | 1        | 56K Modem Port                 |
| Printer   | 1        | Printer Server Port            |

#### 1-4 LED Status

| LED      | Status               | Indication   |
|----------|----------------------|--|
| Power    | Lit Green Light      | Power on   |
| WAN      | Lit Green Light      | ADSL/Cable Modem is connected to WAN port.             |
|          | Blinking Green Light | Transmit or receive data via the WAN port.             |
| Wireless | Lit Green Light      | The PCMCIA Card is plugged in, than RED light          |
|          | Status               | will automatically turn off.                           |
|          | Blinking Green Light | Package transmit                                       |
|          | Green Light Off      | The green light off means No PCMCIA Card installed.    |
|          | Blinking Red Light   | The blinking red light indicates that the GN-BR402W is |
|          |                      | being initialized.                                     |
| LAN1     | Lit Green Light      | 10/100 Mbps Network Connection                         |
|          | Blinking Green Light | 10/100 Mbps Data Transmission Rate                     |
| LAN2     | Lit Green Light      | 10/100 Mbps Network Connection                         |
|          | Blinking Green Light | 10/100 Mbps Data Transmission Rate                     |
| LAN3     | Lit Green Light      | 10/100 Mbps Network Connection                         |
|          | Blinking Green Light | 10/100 Mbps Data Transmission Rate                     |
| LAN4     | Lit Green Light      | 10/100 Mbps Network Connection                         |
|          | Blinking Green Light | 10/100 Mbps Data Transmission Rate                     |

# 2. System Connection & Installation

- The following lists the requirements for the hardware installation

# 2-1 ADSL/Cable Modem Requirements

It needs to have ADSL/Cable Modem with RJ-45 connectors.

## 2-2 PC Hardware Requirement at the PC End

It needs a PC with Ethernet card connection, or PC with USB Port, or a PCMCIA wireless adapter.



#### The Diagram Showing the Ways of Installing the GN-BR402W

#### 2-3 Connection for Ethernet User

- Step 1. Please prepare an Ethernet cable (RJ-45) first.
- Step 2. Connect the Ethernet cable to the WAN port of the GN-BR402W.
- Step 3. Connect an end of the network cable to the ADSL/Cable Modem of the Ethernet connection port.

Note: Please check if the light of the WAN port of the GN-BR402W is lit. If not, try to use the cross over (RJ - 45) Ethernet cable that comes with this product.

- Step 4. Connect any port of the area network LAN1, 2, 3, & 4 of the GN-BR402W to your PC.
- Step 5. Connect the adapter to the power connection slot of the GN-BR402W.
- Step 6. Insert the adapter to the power socket.
- Step 7. The connection procedure is completed.

# **2-4 Connection for USB Port User** (If you use USB connection, please refer to this section.)

Please repeat Steps 1~3 of Section 2-3.

- Step 4. Connect the USB transmission cable to the USB port of the GN-BR402W and the USB port at the PC end.
- Step 5. Please install the USB driver program by the CD that comes with the GN-BR402W. (Please refer to Appendix B for the installation of the USB driver program).

#### 2-5 Connection for PCMCIA Wireless Adapter User

Please repeat Steps 1~3 of Section 2-3.

If you were using wireless connection, please refer to the wireless card manual which provider by your wireless card manufature. After installing and setting the PCMCIA Wireless Adapter, refer to PC configuration section in Chapter 3, follow the instruction step by step to finish the TCP/IP Protocol setting (Setting PC).

Note: The SSID of the PCMCIA Wireless Adapter should be the same as the SSID of GN-BR402W. The default value is "gigabyte" (or "any", if your Wireless LAN Card can support.), please do notice the form of the SSID value whether is capital or not.

# 3. Configuration

# **3-1 Preparation**

Generally speaking, using the GN-BR402W for Internet connection needs the ADSL or Cable service. We assume that you have already obtained the ADSL/Cable service from the local telephone company or the ISP Company, and get the related connection data ready. Such data include

- a. IP address provided by ISP
- b. Subnet mask
- c. Default gateway IP address
- d. Domain Name System (DNS) Server IP address
- The ISP Company provides the above data.

#### 3-2 Setup at Your PC End

An easy-to-use web page setup interface is designed on the GN-BR402W, and the user can perform the setup by the browser. The Gigabyte GN-BR402W Broadband Router presets the IP address as "**192.168.1.254**", and preset as a DHCP server Please follow the step below to perform the setup under the TCP/IP network environment. Please confirm the TCP/IP communication protocol is installed in your computer (Windows 95/98/Me/NT). If you have not installed the TCP/IP communication protocol, please install it now, and then select your operating system for the setup.

- For Windows 2000, please jump to 3-2-1.
- For Windows 95/98/Me, please jump to 3-2-2.
- For Windows XP, please jump to 3-2-3.

#### 3-2-1 The Settings Under Windows2000

Step 1. Click "Start" in the desktop of the Windows to select "Settings", and then click "Control Panel".



Step 2. Double click the "Network and Dial-up Connections".



Step 3. Double click the "LAN CONNECTION".

| 📴 Network and Dial-up Connections                         |              |
|---|--------------|
| Eile Edit View Favorites Iools Advanced Help              | 1            |
| ← Back + → + 🔄 ②Search PaFolders ③History 😤 🏆 🗙 🕫 📰 -     |              |
| Address 🔁 Network and Dial-up Connections                 | <b>.</b> €60 |
| Network and Dial-<br>up Connections                       | <u> </u>     |
| LAN CONNECTION<br>Type: LAN Connection<br>Status: Enabled |              |
| Accton EN1207D-TX PCI Fast<br>Ethernet Adapter #2         |              |
| Accton EN1207D-TX PCI Fast Ethernet Adapter #2            | <u> </u>     |

Step 4. Click "Properties" in the box under LAN CONNECTION Status.

| CONNECTION Sta | atus                       | ?                   |
|----------------|----------------------------|---------------------|
| eneral         |                            |                     |
| Connection     |                            |                     |
| Status:        |                            | Connected           |
| Duration:      |                            | 01:54:43            |
| Speed:         |                            | 100.0 Mbps          |
| Packets:       | Sent — 🕮 1<br>L 👍<br>1,571 | — Received<br>1,141 |
| Properties     | Disable                    |                     |
|                |                            | Close               |

Step 5. Double click "Internet Protocol (TCP/IP)".

| Contigues     Contigues     Contigues     Control of Microsoft Networks     Control of Microsoft Networks     Control Protocol     Install.     Control Protocol     Install.     Control Protocol I CP (IP)      Install     Control Protocol     Install     Install | Action EN120  | 7D-TX PO Fast Ethern                             | st.Adapter #2     |
|---|---|--|-------------------|
| Client for Microsoft Networks     Fie and Priver Sharing for Microsoft Networks     Fie and Priver Sharing for Microsoft Networks     Finternet Protocol     Install.     Lininstall Properties  Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication acrosof durate intercorrected networks   | emponents checkes                                       | are used by this corns                           | <u>C</u> onligue  |
| Instal. University Properties<br>Description<br>Transmission Control Protocol/Internet Protocol. The default<br>wide sees network protocol that provides communication<br>across diverse intercommented networks.   | File and Privo<br>T T NetBEUI Prot<br>T T Internet Prot | er Sharing for Microsoft<br>ocal<br>col (TEP/IP) | Networks          |
| Description<br>Transmission Control Protocol/Internet Protocol. The default<br>wide area network protocol that provides communication<br>acrosol durate interconnected networks.  | jastal  | Uninstall  | Pioperties        |
|   | Description   | of Protocol/Internet Pro                         | tocol The default |

Step 6. Please select "Obtain an IP address automatically" and "Obtain DNS server address automatically", and then enter "OK".

| e appropriate IP settings.            | eed to ask your network administrator for |
|---------------------------------------|---|
| Obtain an IP address autor            | matically                                 |
| C Use the following IP addres         | ······································    |
| [P address:                           |   |
| S <u>u</u> bnet mask:                 | a a                                       |
| <u>D</u> efault gateway:              |   |
| Obtain DNS server address             | s automaticallu                           |
| Use the following DNS service address | ver addresses:                            |
| Preferred DNS server:                 | · · · ·                                   |
| Alternate DNS server:                 | · · · ·                                   |

Now, the computer will obtain an IP address automatically from the GN-BR402W then you can go to Step11 directly. If you would like to obtain an IP address manually, please refer to Step7~Step10.

Step 7. Click "Start" at the desktop of the Windows, and then "Program", "Accessories", and "Command Prompt" in sequence.



Step 8. Key in the command "ipconfig/release" in DOS mode, and then enter.



Step 9. Key in the command "ipconfig/renew", and then enter.



Step 10. Key in "exit", and then enter.

| 🖾 Command Prompt  | _ 🗆 🗙    |
|---|----------|
| Microsoft Windows 2000 [Version 5.00.2183]<br>(C) Copyright 1985-1999 Microsoft Corp.   | <b>_</b> |
| C:\>ipconfig/release  |          |
| Windows 2000 IP Configuration   |          |
| IP address successfully released for adapter "LAN CONNECTION"   |          |
| C:\>ipconfig/renew  |          |
| Windows 2000 IP Configuration   |          |
| Ethernet adapter LAN CONNECTION:  |          |
| Connection-specific DNS Suffix .:<br>IP Address: 192.168.1.3<br>Subnet Mask: 255.255.0<br>Default Gateway: 192.168.1.254<br>C:\>exit_ |          |
|   | •        |

Step11. In your "IE Browser" select "Internet Options" under "Tools".



Step 12. In this dialogue box, please click "Connections" in the "LAN Settings".



Step 13. Please **<u>DO NOT</u>** tick all of the selection boxes. Press "OK" after finishing with the setup, and refer to Section 3-3 for setup of broadband router.

| Automatic configuration m<br>use of manual settings, dis | ay override manual set<br>sable automatic configu | tings,To ensure the<br>ration. |
|--|---|--------------------------------|
| Automatically detect s                                   | ettings   |                                |
| 🗌 Use automatic configu                                  | ration <u>s</u> cript                             |                                |
| Address  |   |                                |
| Proxy server   |   |                                |
| Use a proxy server                                       |   |                                |
| Address:   | Port:   | Advanged                       |
| 🗖 Bypass proxy serv                                      | er for local addresses                            |                                |
|  |   |                                |

Note: If your ISP Company has a designated Proxy setting, key in the setting after you complete the GN-BR402W configuration **Please jump to Section 3-3 to setup** 

# broadband router.

#### 3-2-2 Setup Under the Window s 95/98/Me

Step 1. Click "Start" at the desktop of the Windows, and select "Settings", and then the "Control Panel".



Step 2. Double click "Network".



Step 3. Under Network, double click the "Configuration", and choose your appropriate setting "TCP/IP -> and your network card" below.

| etwork  | ? ×  |        |
|---|--|--------|
| Configuration   Identification   Access Control   |  |        |
| The following network components are installed:   |  |        |
| Microsoft Family Logon  Accton EN1207D Series PCI Fast Ethernet Adapter  Dial-Up Adapter  TCP/IP -> Accton EN1207D Series PCI Fast Ethernet  TCP/IP -> Dial-Up Adapter  Add  December  De | Please<br>choose the<br>TCP/IP and<br>the name o | 1<br>f |
| Primary Network Logon:  | es your netwo                                    | rl     |
| Microsoft Family Logon <u>File and Print Sharing</u>  |  |        |
| Description<br>TCP/IP is the protocol you use to connect to the Internet<br>wide-area networks.   | tand   |        |
| OK  | Cancel   |        |

Step 4. Select IP Address. Please select "Obtain an IP address automatically", and then press "OK".

| Bindings   | Adv                                       | anced  | N  | etBIOS                              |
|--|---|--|--|-------------------------------------|
| DNS Configuration  | Gateway                                   | WINS Co  | nfiguration                                  | IP Addres:                          |
| An IP address can I<br>If your network doe<br>your network admin<br>the space below. | be automal<br>s not autor<br>istrator for | tically assign<br>natically ass<br>an address, | hed to this c<br>ign IP addri<br>and then ty | omputer.<br>esses, ask<br>upe it in |
| ● Obtain an IP a   | address au                                | tomatically                                    |  |                                     |
| C Specify an IP  | address:                                  |  |  |                                     |
| [P Address:  |   |  |  |                                     |
| Sybnet Mask  |   |  |  |                                     |
|  |   |  |  |                                     |
|  |   |  |  |                                     |
|  |   |  |  |                                     |
|  |   |  |  |                                     |

Step 5. In the window of "Gateway", please cear all installed gateways and do not fill any of the blanks, and then press "OK".

| CP/IP Properties  |  | ?   |
|---|--|---|
| Bindings<br>DNS Configuration                               | Advanced<br>Gateway WINS Conf                                    | NetBIOS<br>iguration   IP Address           |
| The first gateway<br>The address order<br>machines are user | n the Installed Gateway li<br>in the list will be the orde<br>d. | st will be the default.<br>r in which these |
| New gateway:  | . <u>A</u> do  |   |
|   | <u>E</u> emo   | ve  |
|   |  |   |
|   | 0  | Cancel                                      |

Step 6. In the window of "DNS Configuration", please select "Disable DNS" and then press "OK".

| Bindings          | Adv         | anced    | ) Ne           | etBIOS     |
|-------------------|-------------|----------|----------------|------------|
| DNS Configuration | Gateway     | WINS Con | figuration     | IP Address |
| Djsable DNS       |             |          |                |            |
| C Enable DNS      | -           |          |                |            |
| Heet.             |             | Domain   |                |            |
| 11/1/2/1          |             | egnain.  | ļ              |            |
| DNS Server Sea    | rch Order — |          |                | <u></u>    |
|                   |             |          | Add            |            |
|                   |             |          |                | 1          |
|                   |             |          | <u>a</u> emove | 8          |
|                   |             | 1        |                |            |
| Domain Suffix S   | earch Order |          |                |            |
|                   |             |          | Add            | 1          |
|                   |             |          | Jomorro        | i l        |
|                   |             |          | нешоче         | č.         |
|                   |             |          |                |            |
|                   |             |          |                |            |
|                   |             | - 02     | 12             |            |

Step 7. Please press "Yes", and reset the computer screen as follows:



After booting the computer, the computer will obtain an IP address automatically from the GN-BR402W then you can go to Step11 directly. If you would like to obtain an IP address manually, please refer to Step8~Step10.

Step 8. After booting the computer, please click "Start" and choose "Run".



Step 9. Key in "winipcfg", and press "OK".



Step 10. In the pulled down menu, select your network card, press "Release All", then press "Renew All", and then press "OK".

|                 | Accton EN1207D Serie | es NDIS 5 |
|-----------------|----------------------|-----------|
| Adapter Address | 00-10-85-AF-78-EF    |           |
| IP Address      | 192.168.1.1          |           |
| Subnet Mask     | 255.255.255.0        |           |
| Default Gateway | 192.168.1.254        | l.        |
| OK Re           | lease Renew          | 6         |
|                 | lease Renew          |           |

Step11. Please select "Internet Options" under "Tools" of your IE Browser.



Step 12. In this dialogue box, please select "Connections" in the "LAN Settings".

| )ial-up setti <u>n</u> i                      | gs                               | A <u>d</u> d         |
|---|----------------------------------|----------------------|
|   |                                  | Remove               |
|   |                                  | Settings             |
| Diel uten                                     |                                  |                      |
| ○ Dial <u>w</u> hen<br>○ Always di<br>Iurrent | al my default connection<br>None | S <u>e</u> t Default |

Step 13. Please **<u>DO NOT</u>** tick all of the selection boxes. Press "OK" after finishing with the setup, and refer to Section 3-3 for setup of broadband router.

| ise of manual settings, di | sable automatic config  | ttings, To ensure the<br>uration, |
|----------------------------|-------------------------|-----------------------------------|
| Automatically detect s     | ettings                 |                                   |
| Use automatic configu      | ration <u>s</u> cript   |                                   |
| Address                    |                         |                                   |
| roxy server                |                         |                                   |
| Use a proxy server         |                         |                                   |
| Address:                   | Por <u>t</u> ;          | Advanged                          |
| Bypass proxy serv          | ver for local addresses |                                   |
| Elean block sour           |                         |                                   |

Note: If your ISP Company has a designated Proxy setting, key in the setting after you complete the GN-BR402W configuration **Please jump to Section 3-3 to setup** 

# broadband router.

#### 3-2-3 Set Up Under Windows XP



Step 1. Click the "Start" at the desktop of the Windows, and select the "Control Panel".

Step 2. Double click the "Network and Dial-up Connections".



Step 3. Double click the "LAN CONNECTION".



Step 4. Click the "Properties" in the box under LAN CONNECTION.

| Local Area Connectio            | n Status 🛛 🤶     |
|---------------------------------|------------------|
| General Support                 |                  |
| Connection                      |                  |
| Status:                         | Connected        |
| Duration:                       | 00:36:00         |
| Speed:                          | 100.0 Mbps       |
| Sen                             | t — 🦣 — Received |
|                                 | 184   0          |
| <u>Properties</u> <u>D</u> isab |                  |
|                                 |                  |

Step 5. Double click the "Internet Protocol(TCP/IP)".

| ieneral                         | Authenticati  | on A                                     | dvance                                 | ed                            |                        |                    |                |
|---------------------------------|---|--|--|-------------------------------|------------------------|--------------------|----------------|
| Connec                          | t using:  |  |  |                               |                        |                    |                |
| This co                         | nnection use:   | s the fo                                 | ollowing                               | items:                        |                        | <u>C</u> or        | figure         |
|                                 | Client for Mi<br>File and Prir<br>QoS Packe<br>Internet Pro | crosoft<br>hter Sh<br>t Sche<br>tocol (1 | : Netwo<br>aring fo<br>duler<br>TCP/IP | orks<br>or Micro<br>)         | soft Ne                | etworks            |                |
|                                 | <u>n</u> stall  |  | <u>U</u> nin                           | stall                         |                        | Pīot               | perties        |
| Descr<br>Tran:<br>wide<br>acros | iption<br>smission Cont<br>area network<br>ss diverse inte  | rol Pro<br>protoc                        | tocol/Ir<br>col that<br>ected r        | nternet<br>providi<br>network | Protoc<br>es com<br>s. | ol. The<br>municat | default<br>ion |
| 🔄 Shoj                          | <u>w</u> icon in noti                                       | ficatior                                 | n area v                               | vhen co                       | onnecti                | ed                 |                |

Step 6. Please select the "Obtain an IP address automatically" and "Obtain DNS server address automatically", and then press "OK".

| Internet                      | Protocol (TCP/IP) P   | Properties   | ? 🔀                  |
|-------------------------------|---|--|----------------------|
| General                       | Alternate Configuration   |  |                      |
| You ca<br>this cap<br>the app | n get IP settings assigner<br>ability: Otherwise, you ne<br>ropriate IP settings. | d automatically if your network su<br>eed to ask your network administ | upports<br>rator for |
| ()<br>()                      | atain an IP address autor   | matically  |                      |
| -O U3                         | e the following IP addres   | sa.  | 20.00                |
| JP as                         | khess   |  |                      |
| Subr                          | et meric  |  |                      |
| Dela                          | ut galeway:   |  |                      |
| <ul> <li>O)</li> </ul>        | ptain DNS server address  | s automatically  |                      |
| OU                            | e the following DNS service   | ver addresses:   |                      |
| Prefe                         | ared DNS serves   |  |                      |
| Alter                         | nate DNS server:  |  | 1                    |
|                               |   |  | anced.               |
|                               |   | DK   | Cancel               |

Now, the computer will obtain an IP address automatically from the GN-BR402W then you can go to Step11 directly. If you would like to obtain an IP address manually, please refer to Step7~Step10.

Step 7. Click the "Start" at the desktop of the Windows, and then the "Accessories", and then the "Command Prompt".



Step 8. Input the "ipconfig /release" in the box of Command Prompt, and then press "OK".



Step 9. Input "ipconfig/renew", and then press "OK".



Step 10. Input "exit", and then press <Enter>.



Step 11. Please select "Internet Options" under "Tools" of your IE Browser.



Step 12. In this dialogue box, please select "Connections" in the "LAN Settings".



Step13. Please **DO NOT** tick all of the selection boxes. Press "OK" after finishing with the setup.

| sutomatic configuration i<br>ise of manual settings, c | nay override manual set<br>lisable automatic configu | tings. To ensure the<br>Iration. |
|--|--|----------------------------------|
| Automatically detect                                   | settings   |                                  |
| Use automatic config                                   | uration <u>s</u> cript                               |                                  |
| Address  |  |                                  |
| roxy server  |  |                                  |
| Use a pro <u>x</u> y server                            |  |                                  |
| Address:   | Por <u>t</u> ;                                       | Advanced                         |
| 🗖 Bypass proxy ser                                     | ver for local addresses                              |                                  |
| I Bypass proxy ser                                     | ver for local addresses                              |                                  |

Note: If your ISP Company has a designated Proxy setting, key in the setting after you complete the GN-BR402W configuration **Please jump to Section 3-3 to setup** 

# broadband router.

# 3-3 Setup for Broadband Router

Step 1. Key in the preset IP address "192.168.1.254" in the address column in the browser, and then press enter.



Step 2. The dialogue box will appear as shown in the following diagram, and key in the default user name "admin" for the wideband network GN-BR402W and the default password "admin", and then press "OK":

| Enter Net  | work Passwo       | rd                             | <u>?</u> × |
|------------|-------------------|--------------------------------|------------|
| <b>?</b> > | Please type y     | our user name and password.    |            |
| <b>U</b>   | Site:             | 192.168.1.254                  |            |
|            | Realm             | ./ramdisk                      |            |
|            | <u>U</u> ser Name | admin                          |            |
|            | <u>P</u> assword  | *****                          |            |
|            | 🗖 Save this       | password in your password list |            |
|            |                   | OK Car                         | ncel       |
|            |                   |                                |            |

Step 3. The homepage of the GN-BR402W will appear as shown below, and click the "Setup Wizard" on the screen, and such "Setup Wizard" will guide you to complete the necessary steps for the setup on screen as follows.



Step 4. "LAN Setup" is shown in the diagram. Each setup item of the local area network is default setting, and is not necessary to make change to it for normal operation. Please input the settings on your own if change is needed.

DHCP Setup:

- "enable" indicates that the DHCP function of the GN-BR402W is initialized, and will automatically assign an IP address to the computer that is connected to the LAN end of the GN-BR402W. (Configure the DHCP starting address and the DHCP allocation number on your own.)

- "disable" indicates that all IP addresses of all the computers connected to the LAN end of the GN-BR402W LAN. (It is not necessary to configure the DHCP starting address and the DHCP allocation number.)

**DHCP** Starting Address::

When the DHCP setting is "enable", the GN-BR402W uses this address as the initial value to assign the IP to the PC connected to the LAN end.

For example, the DHCP starting address is 192.168.1.1 DHCP allocation number is 50.

The IP allocable range of the DHCP is from 192.168.1.1 to 192.168.1.50.

Note: The LAN IP address "192.168.1.254" is the default IP address of the GN-BR402W.



Click "Next", and the following screen will appear:

Step 5. "WLAN Setup" is shown in the diagram. Each setup item of the Wireless local area network is default setting, and is not necessary to make change to it for normal operation. Please input the settings on your own if change is needed.

#### DHCP Setup:

- "enable" indicates that the DHCP function of the GN-BR402W is initialized, and will automatically assign an IP address to the computer that is connected to the LAN end of the GN-BR402W. (Configure the DHCP starting address and the DHCP allocation number on your own.)

- "disable" indicates that all IP addresses of all the computers connected to the LAN end of the GN-BR402W LAN. (It is not recessary to configure the DHCP starting address and the DHCP allocation number.)

**DHCP** Starting Address::

When the DHCP setting is "enable", the GN-BR402W uses this address as the initial value to assign the IP to the PC connected to the LAN end.

For example, the DHCP starting address is 192.168.10.1 DHCP allocation number is 50. The IP allocable range of the DHCP is from 192.168.10.1 to 192.168.10.50.

Note: The WLAN IP address "192.168.10.254" is the default IP address of the GN-BR402W.

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| Advanced Setup                                       | V                   | VLAN Setup                |          |
| Wurkers Senap  | WLAN IP Address     | 192.168.00.294            |          |
| VLAN   | WLAN Subset Mark    | 2551551550                |          |
| <ul> <li>Change Password</li> </ul>                  | DBCP Senap          | O makle O ditable         |          |
| Change WAN MAC                                       | Starting Address:   | 192.169.10.1              |          |
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Click "Next", and the following screen will appear:

Step 6. Choose your desired wide area network mode

**PPPoE**: If you are using the hourly rate for the ADSL, please select this item.

## **Note** – PPPoE Please jump to Step 6

**Dynamic IP Address:** If you use the wideband fixed connection of ADSL/Cable Modem, but do not have a static IP, please select this item

#### **Note** – Dynamic IP Please jump to Step 10

**Static IP Address:** If you use the wideband fixed connection of ADSL/Cable Modem, but have a static IP, please select this item.

# **Note** --- Static IP Please jump to Step 14

**Modem:** If you use the wideband fixed connection of PPP(Modem) , please select this item .

Note -- PPP(Modem) Pl

## Please jump to Step 18

After your desired wide area network mode is selected, please press "Next".

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- Step 7. If you select "PPPoE " under the WAN TYPE SELECT, key in the User ID and password. The wideband company provides the above data, and press "Finish" to go to next step.
  - Note: The "Idle Time" means after this time period if you do not use the Internet for a while, the time expired, and the WAN connection will be auto disconnected. The on-line charge will be stopped. IF you want to use the Internet again then the WAN connection will be auto reconnected to WAN.

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| GIGABYTE   |                        |   |            |
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| Change Passwood  | MTU                    | 1802 (Byes)(1000 - 1490)                              |            |
| <ul> <li>Change WAN MAC</li> <li>Upgrade Provence</li> </ul> | DNS                    | Astonatic Manual                                      |            |
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Step 8. Press "Reboot" to go to next step.



Step 9. Please wait a moment.

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Step 10. The IE browser will be automatically connected to the main

menu, and your setup has completed by then. Please use your

**IE connect to Internet.** 



If you can connect to the Internet , the setting is completed. If you use the Wireless Lan Card connection , please continue to section 3-4 Wireless Basic Setting.