

Intelligent Wireless Router

JHR-N805R JHR-N825R JHR-N916R JHR-N926R

Quick Installation Guide

VER: 0.0.1

About this Guide

Thank you for choosing JCG Wireless Broadband Router. As a cost-effective product, this Intelligent Wireless Router provides dedicated solution for small office, home and dormitory. It integrates a variety of wireless applications, such as wireless bridge model, AP model etc. It provides a wide range of data security protection; support WEP, WPA, and WPS Encryption method. It is the best option of surfing on the wireless Internet and enjoying the fun of the wireless Internet and satisfies your need to watch high-definition video

The JCG Intelligent Wireless Router is easy to configure, even if you are not so familiar with the router. In order to better use all functions of this product, please read this guide carefully before you install the router,

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Quick Installation Guide

You should configure the Router correctly to ensure the normal use of the Router. This chapter describes how to configure the basic functions of the Wireless Router. We will show the detailed configuration in the next chapter.

1 Configuring windows XP of the PC

1. Configure the IP address

Click the start menu, select network connect, show in figure 1-1





Right-click the **local connection** as shown in figure 1-2.then select **Properties** will pop up figure 1-3

shown in the Network connection properties dialog box.

| S Network Connections | | 🕹 Wireless Network Connection 11 Properties 🛛 🛜 |
|--|--|--|
| File Edit View Favorites Tools Advance | d Help | General Advanced |
| 🕞 Back 👻 💮 - 🏂 🔎 Search 🙀 | Folders Folders | Connect using: Atheros USB 2.0 Wireless Network A Configure |
| Address Network Connections Network Tasks Image: Connection start | r High-Speed Internet | This connection uses the following items: This connection uses the following items: Action of the second secon |
| Create a new connection Set up a home or small office network Change Windows Firewall settings (v) View available wireless output of the settings | 1) Wire Disable Wireless Networks Status Repair Bridge Connections | Install Uninstall Properties Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. |
| Disable this network device Repair this connection Rename this connection View status of this | Create Shortcut Delete Rename Properties | Show icon in notification area when connected Notify me when this connection has limited or no connectivity |

Figure 1-2

Double-click **Internet Protocol (TCP/IP)** will appear IP address page. If you choose to automatically receive the IP address and the DNS server address, the computer will be gain the IP address from the router (Show in figure 1-4).Of course, you can also choose manual-setting as shown in figure 1-5.

| ternet Protocol (TCP/IP) Properties | Internet Protocol (TCP/IP) P | roperties ? |
|---|--|--|
| You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. | You can get IP settings assigned this capability. Otherwise, you ne the appropriate IP settings. | d automatically if your network supports ed to ask your network administrator for |
| Obtain an IP address automatically | Obtain an IP address auton | natically |
| O Use the following IP address: | 💿 Use the following IP addres | s: |
| IP address: | IP address: | 192.168.1.2 |
| Subnet mask: | Subnet mask: | 255 . 255 . 255 . 0 |
| Default gateway: | Default gateway: | 192.168.1.1 |
| Obtain DNS server address automatically | Obtain DNS server address | automatically |
| O Use the following DNS server addresses: | → Use the following DNS served | ver addresses: |
| Preferred DNS server: | Preferred DNS server: | 202 . 96 . 134 . 133 |
| Alternate DNS server: | Alternate DNS server: | |
| Advanced | | Advanced |
| OK Cancel | L | OK Cancel |

Figure 1-4



2. Connect wireless network

The wireless network will be connected after finished configuring the network parameter. Select **View available wireless connection** as show in figure 1-2, your wireless network card will be in search of available network connection in current environment. Then the wireless network will be linked successfully by click link button.

If the network is encrypted, password dialog box will pop up prompting you to enter key. Wireless N Router default network name(SSID) is JCG, select this network to connect the wireless router(show in figure 1-6).

| ¹ Wireless Network Connec | tion 12 | |
|---|---|-------|
| Network Tasks | Choose a wireless network | |
| 🥩 Refresh network list | Click an item in the list below to connect to a wireless network in range or to get mor information. | re |
| Set up a wireless network for a home or small office | ((p)) JCG-300M Unsecured wireless network | |
| Related Tasks | ((Q)) WiFi_yu | |
| Learn about wireless networking | 🖉 🔐 Security-enabled wireless net work | 000 e |
| Change the order of preferred networks | | |
| Settings | | |

Figure 1-6

Now, you can run the Ping command in the command prompt to verify the network connection between your PC and the router. If the result is similar to that show in figure 1-7, the connection between your PC and your router has been established.

| C:\Documents and Settings>ping 192.168.1.1 -t | |
|---|--|
| | |
| Pinging 192.168.1.1 with 32 bytes of data: | |
| Reply from 192.168.1.1: bytes=32 time<1ms TTL=128 Reply from 192.168.1.1: bytes=32 time<1ms TTL=128 | |

Figure 1- 7

If the link can not be established, please check the hardware connection between your PC and the router is normal, IP address is correct.

1.2 Quick Installation Guide

Launch a Web browser (Internet Explorer 5.0 or higher) when the computer and the 150M Wireless Router are correctly connected, close the proxy browser. Then input **http://192.168.1.1** into the browser address bar, press the Enter key, there will appear a login window as figure 1-8. Enter **admin** for the User Name and Password, both in lower case letters. Also you can modify the user name and the password to ensure the network security.

| Connect to 19 | 2.168.1.1 🔹 💽 🔀 |
|--------------------|----------------------|
| | GA |
| GoAhead | |
| <u>U</u> ser name: | 🖸 admin 🕑 |
| Password: | •••• |
| | Remember my password |
| 1918 8191 | |
| | OK Cancel |



If the User Name and Password are correct, Router Management screen will appear, show in figure 1-9:

Figure 1-9



Click on **Quick Setup** the button, show in figure 2-10, the router supports five connection type to connect to Internet.

Figure 2-10

Setup Wizard Thanks for choosing our router! JCG is a leader in IEEE 802.11 wireless product manufacturing. Our 802.11n wireless products provide a high performance and low cost solution to draft 802.11n applications. Our wireless AP is WiFi Certified and provides convenient wireless connectivity for computers and devices. The Setup Wizard will guide you to do basic configuration before the router can be used. After a few steps, the router will be ready to use. You can continue with the advanced setup after the wizard if you are willing to use advanced features of the router. Click 'Next' to continue. Cancel Next

Click on the Next button, show in figure 1-11,

If you use the **DHCP (Auto config)** connection, the router will receive the IP parameters from your ISP without needing to enter any parameter, show in figure 1-11

figure 1-11

| WAN (Wide Area Network) a your environment. And setu selected. Consult your netw type and responding param | allows you to choose differen p the parameters according york administrator or ISP if yo eters. | nt connection type that is suitable for to the connection type you've ou are not sure about the connectior |
|---|--|--|
| Connection Type | DHCP (Auto Config | Auto Detect |
| Host Name (optional) | JCG-8165AA | |
| Ci | ncel Back | Next |
| Static (Fixed IP) You need them from your network adr | to setup the IP address, sul ninistrator or ISP. | bnet mask and dns information, get |
| DHCP (Auto Config) DHCP the router will be connected | server will assign the IP ad automatically | dress and other parameters and |
| PPPoE (ADSL) You can co | nnect the router to ADSL mo | dem, and router will use the |

⁽²⁾ If you use the **STATIC(fixed IP)** connection, the Static IP settings page will appear, show in figure 1-12, enter the Static IP address, Subnet Mask, Default Gateway and DNS figure 1-12

| your environment. And setur selected. Consult your netw type and responding param | o the parar ork admin eters. | meters acco istrator or IS | rding to th P if you a | ne connection typ re not sure about | e you've t the connectio |
|---|------------------------------------|-------------------------------|---------------------------|--|-----------------------------|
| Connection Type | Sta | tic (Fixed IP) | ~ | Auto Detect | |
| IP Address | | | | | |
| Subnet Mask | | | | | |
| Default Gateway | | | | | |
| Primary DNS Server | | | | | |
| Secondary DNS Server | | | | | |
| Ca | ncel | Back | | Next | |
| | | | | | |

the router will be connected automatically

PPPoE (ADSL) You can connect the router to ADSL modem, and router will use the username and password to connection. ③ If you use the **PPPoE(ADSL)** connection, the PPPoE settings page will appear, show in figure 1-13, please enter the user name and the password provided by your ISP. figure 1-13

| WAN (Wide Area Netw | ork) allows you | to choose differe | nt connection type that is suitable for |
|-------------------------|------------------|------------------------|---|
| your environment. And | setup the para | meters according | to the connection type you've |
| type and responding p | arameters. | instrator of itse if y | ou are not sure about the connection |
| | | | |
| Connection Type | PPPol | | Auto Detect |
| e ennie en en rijpe | | | |
| User Name | pppoe | _user | |
| Password | | |] |
| Comfirm Password | ••••• | ••••• |] |
| | Cancel | Back | Next |
| | | | |
| Static (Fixed IP) You r | need to setup th | e IP address, su | bnet mask and dns information, ge |
| them from your networ | k administrator | or ISP. | |
| DHCP (Auto Config) D | HCP server wil | l assign the IP ac | Idress and other parameters and |

Click on the **Next** button, show in figure 1-14. This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point

figure 1-14

| Wireless settings the wireless netv use advanced fe | s allows you to set SSI vork. Please go to "Win atures of wireless netv | D, radio working mode, and working channel etc. of eless Settings' after finish the wizard if you want to vork. |
|---|---|---|
| Radio On | | ◯ Off ⊙ On |
| Radio Mode | | 11b/g/n Mixed 🗸 |
| SSID | | JCG-8165AC |
| Hide SSID | | Disable OEnable |
| BSSID | | 00:E0:4B:81:65:AC |
| Channel | | 11 |
| Radio On Wirele | Cancel | Back Next |
| Radio Mode The | radio can work in diffe | erent modes, set the radio to the correct mode if you and |
| SSID Service Se the client's scann | t Identifier (SSID) is the ning list. | e identifier of the wireless network. It is displayed in |
| Hide SSID SSID in the scanning I | can be set to hidden b st of wireless clients, l | y the AP. In this case, the SSID will not be displayed but you need to set the SSID manually for it. |
| | | |

Click on **NEXT**, the button, show in figure 1-15

- Summary Information

Summary information lists the settings you've done. Please confirm your settings before apply. Note: All of the settings will be discarded if you leave the wizard without applying.

| WAN Connection Typ | pe PPPoE (ADSL) | | | |
|--------------------|-----------------|------------|-------|--|
| User Name | | pppoe_u | iser | |
| Password | | | | |
| Radio On/Off | | On | | |
| Wireless Mode | | 11b/g/n | Mixed | |
| SSID | | JCG-8165AC | | |
| Hide SSID | | Disable | | |
| Channel | | 11 | | |
| | | | | |
| | Cancel | Back | Apply | |

Now, Quick Installation Guide is complete.

FCC WARNING

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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CE Mark Warning

"Hereby, Shenzhen Yichen Technology Development Co., LTD declares that this Intelligent Wireless Router is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC."