

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 Advan	ced Help	General Advanced
🔇 Back 👻 💮 - 🏂 🔎 Search	Folders 🛄 -	Connect using: B Atheros USB 2.0 Wireless Network A Configure
Network Tasks 🛞	or High-Speed Internet	This connection uses the following items:
Create a new connection Set up a home or small office network Change Windows Firewall settings (W) View available wireless networks	((p) Wire Disable View Available 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 mill Rename this connection	Create Shortcut Delete Rename	Show icon in notification area when connected Notify me when this connection has limited or no connectivity
View status of this connection	Properties	OK Cancel

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 ?
General Alternate Configuration	General	
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.		automatically if your network supports ed to ask your network administrator for
Obtain an IP address automatically	Obtain an IP address autom	atically
O Use the following IP address:	🕜 Use the following IP address	5:
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 serv	er addresses:
Preferred DNS server.	Preferred DNS server:	202 . 96 . 134 . 133
Alternate DNS server:	Alternate DNS server:	
Advanced		Advanced
OK Cancel		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).

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 information.	o get more
Set up a wireless network for a home or small office	((p)) JCG-300M Unsecured wireless network	1000
Related Tasks	((Q)) ^{WiFi_yu}	
Learn about wireless networking	📔 🔐 Security-enabled wireless network	
Change the order of preferred networks		
Change advanced 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:\WINDOWS\system32\cmd.exe - ping 192.168.1.1 -t
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
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 3191	
	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

/AN Setup		
your environment. And setu	o the parameters according ork administrator or ISP if yo	It connection type that is suitable for to the connection type you've ou are not sure about the connection
Connection Type	DHCP (Auto Config	Auto Detect
Host Name (optional)	JCG-8165AA]
Ca	ncel Back	Next
Static (Fixed IP) You need them from your network adr		net mask and dns information, get
DHCP (Auto Config) DHCP the router will be connected		dress and other parameters and
PPPoE (ADSL) You can cor username and password to	nect the router to ADSL mod connection.	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

WAN (Wide Area Network) al your environment. And setup selected. Consult your netwo type and responding parame	the paran	neters accor	ding to th	e connection type you've
Connection Type	Stat	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

			nt connection type that is suitable f
			to the connection type you've ou are not sure about the connection
type and responding pa		istrator of ise if y	ou are not sure about the connection
VET THE TEP THE THE P			
Connection Type	PPPol	E (ADSL) 🛛 👻	Auto Detect
User Name	pppoe	user	
]
Password			
Comfirm Password	•••••	•••••]
	Cancel	Back	Next
_			
Static (Fixed IP) You n them from your network			bnet mask and dns information, ge
DHCP (Auto Config) D	HCP server wil	l assign the IP ac	Idress and other parameters and
the router will be conne	ected automatic	ally	

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

the wireless netw		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 Disable
BSSID		00:E0:4B:81:65:AC
Channel		11
Radio On Wirele	Cancel	Back Next ed by the wireless radio, and it is not accessile if radio
	radio can work in diffe	erent modes, set the radio to the correct mode if you ent.
	t Identifier (SSID) is the	e identifier of the wireless network. It is displayed in
		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	pppoe_user	
Password				
Radio On/Off		On		
Wireless Mode		11b/g/n	Mixed	
SSID		JCG-816	5AC	
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."