

### 3G USB Modem Compatibility List

Network	USB 3G Modem	Brand	Testing result
CDMA2000 EVDO	EC189	Huawei	OK
	EC169	Huawei	OK
	EC1260	Huawei	OK
	AC2726	Huawei	OK
	AC2736	ZTE	OK
	AC2746	ZTE	OK
	AC580	ZTE	OK
	AC560	ZTE	OK
	MF637U	ZTE	OK
	DWM-162-U5	D-LINK	OK
	Anydata	Anydata	OK
	Si802	Sentar	OK
	Rw206	R-WAY	OK
	EVDO	R-WAY	OK
	SRT-E800	SRT	OK
	Ev2000	NEW-NET	OK
	EVDO E1916	Vtion Tech.	OK
	1XEVD0 Modem	SR Wireless	OK
	WOO ED6000	WOO	OK
	More than 20 kinds of EVDO	unofficial Brands	OK
TD-SCDMA	ET128	Huawei	OK
	MU350	ZTE	OK
	MU351	ZTE	OK
	AirCard901	Datang	OK
HSPA WCDMA	E1552	Huawei	OK
	E1750	Huawei	OK
	E169G	Huawei	OK
	E156G	Huawei	OK
	E172	Huawei	OK
	E220	Huawei	OK
	E270	Huawei	OK
	E272	Huawei	OK
	K3715	Huawei	OK
	MF622	ZTE	OK
	U302	Sierra Wireless	OK
	OVATION: MC930D	O2	OK
	HSDP: 621B	Telit	OK
	V818U	Unknown	OK
	USB Connect Mercury	AT&T	OK
Mobile	Nokia N95	Nokia	OK

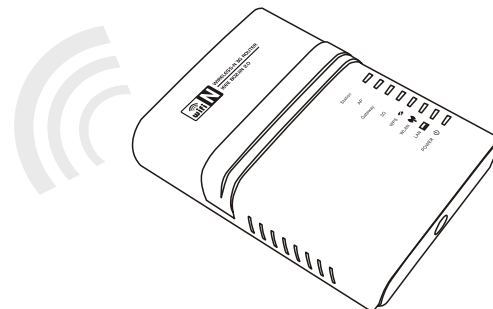
\* Compatibility testing list is just for reference. More of the models can be supported.

\* The compatibility list is updating. Please check with our website!

## Wireless 3G-N1 Broadband Router



Quick Installation Guide(Q.I.G.)  
REV.1.0



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WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

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## Introduction :

The Wireless-N 3G Router is a combined wired/wireless network connection device designed specifically for small business, office, and home office networking requirements. It complies with the IEEE 802.11n (Draft 2.0) standard. It adopts MIMO as well as SST technologies. It also works well with other 11b/g and 11n protocol wireless products.

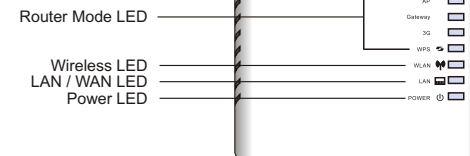
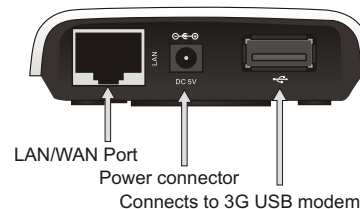
- Create instant WiFi hotspots at any location where you have 3G connection
- Supports 3G USB cellular modems, supports **CDMA2000 EVDO**, **TD-SCDMA**, **HSPA/WCDMA**
- Can also work with your existing DSL or cable modem

## Package Contents

Before you starting to use this router, please check if there's anything missing in the package, and contact your dealer of purchase to claim for missing items:

- 1 x Wireless-N 3G Router
- 1 x Quick installation Guide
- 1 x Power adapter
- 1 x RJ-45 Networking Cable

## Wireless-N Router Panel



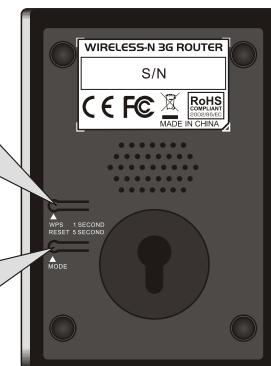
### WPS/RESET Button :

Press this button 1 Second for WPS encryption link, the WPS LED will flashing while the button press.

Press this button 5 Second for Reset the router to factory default settings (clear all settings).

### MODE Button :

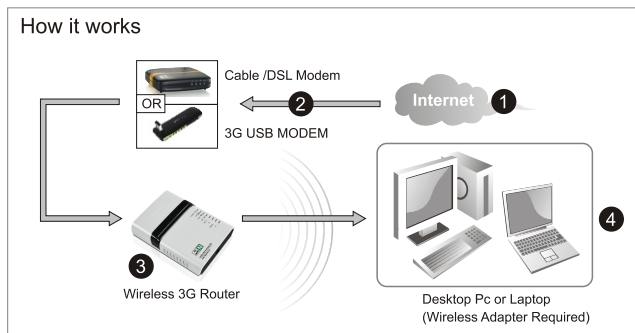
Factory default settings: Gateway  
Press this button for Gateway / AP / Station / 3G switch, easy to switch wireless operation mode via this button.



## Getting Started

### Setting up a Wireless Infrastructure Network

How it works



**For a typical wireless setup at home (as shown above), please do the following:**

1. You will need broadband Internet access (a 3G USB Modem or Cable, DSL-subscriber line into your home or office).
2. Consult with your 3G, Cable or DSL provider for proper installation of the modem.
3. Connect the 3G USB Modem, Cable or DSL modem to the Wireless 3G-N1 Router
4. Adding computers to the Wireless 3G-N1 Router.

### Adding computers to the Wireless 3G-N1 Router

1. Log on to the computer.
2. Open Connect to a Network by right-clicking the network icon (📶 or 🌐) in the notification area.
3. Choose the wireless network from the list that appears, and then click **Connect**.
4. Type the network security key or passphrase if you are asked to do so, and then click **OK**.  
You'll see a confirmation message when you are connected to the network.
5. To confirm that you added the computer, do the following:  
Open Network by clicking the **Start** button (🔍), and then clicking **Control Panel**. In the search box, type **network**, and then, under Network and Sharing Center, click **View network computers and devices**.  
You should see icons for the computer you added and for the other computers and devices that are part of the network.

**Note :** If you don't see icons in the Network folder, then network discovery and file sharing might be turned off. For more information:

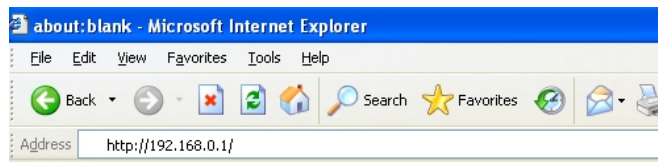
<http://windows.microsoft.com/en-US/windows7/Add-a-device-or-computer-to-a-network>

<http://windows.microsoft.com/en-US/windows7/Setting-up-a-wireless-network>

<http://windows.microsoft.com/en-US/windows-vista/Setting-up-a-wireless-network>

## Configuring via Web Browser

Open web browser and type **http://192.168.0.1** in the browser's address box. This number is the default IP address for this device.



The login screen below will appear. Enter the "User Name" and "Password" and click "OK" to login.

The default User name is "admin" and the Password is "admin",

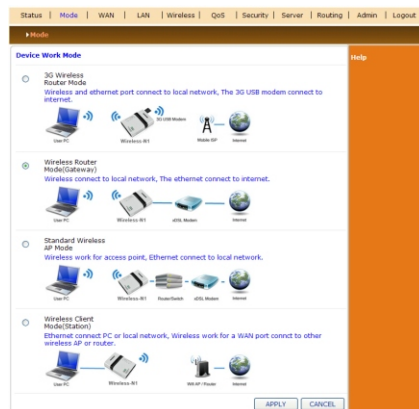


After successfully login, the following Router Summary will be displayed on your web browser:



## Setup the router mode

To Setup the router mode, please follow the following instructions:  
Please click “**Mode**” located at the web management interface, the following message will be displayed on your web browser:



### ❑ 3G Wireless Router Mode

Wireless and LAN port connect to local network; the 3G USB modem connect to internet.

### ❑ Wireless Router Mode (Gateway)

Wireless connect to local network, The LAN port connect to internet.

### ❑ Wireless AP Mode

Wireless work for access point, LAN port connects to local network.

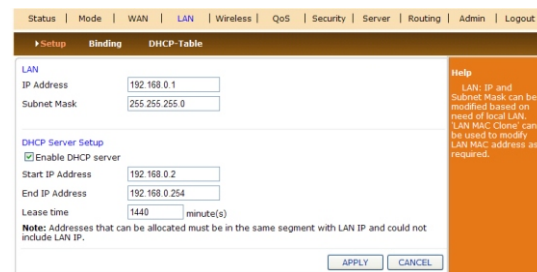
### ❑ Wireless Client Mode (Station)

LAN port connect PC or local network, Wireless work for a WAN port connect to other wireless AP or router.

Click the **APPLY** button to Change your Router Mode.

## LAN Settings

Please click “LANSetup” located at the web management interface, the following message will be displayed on your web browser:



IP Address:	Enter the IP address of your Router or reset it in dotted-decimal notation Wireless N Router (factory default: 192.168.0.1).
Subnet Mask:	An address code that determines the size of the network. Normally use 255.255.255.0 as the subnet mask.
DHCP Type:	Enable or Disable

### Note:

- 1) If you change the IP Address of LAN, you must use the new IP Address to login the Router.
- 2) If the new LAN IP Address you set is not in the same subnet, the IP Address pool of the DHCP server will change accordingly at the same time, while the Virtual Server and DMZ Host will not take effect until they are re-configured.

## Connect to Internet (3G USB Modem)

Please click **“Mode”** located at the web management interface, select **3G Wireless Router Mode**. The Router will restart.

After Please click **“3G→Setup”** located at the web management interface, You can configure parameters for 3G function on the screen below.  
To use the 3G function, you should first insert your USB modem on the USB port of the Router.

### Interface description

3G ISP	Select 3G ,DWR/PWR series only have 3G dialup mode
APN	Enter the APN (Access Point Name) provided by your ISP.
Pin Code	Enter the Pin Code provided by your ISP.
Dialup number	Enter the Dial Number provided by your ISP.
Username / Password	Enter the Username and Password provided by your ISP. These fields are case-sensitive.
Auto Dial-up	Connect automatically after the Router is disconnected. To use this option, click the radio button.

Click the **APPLY** button to connect to your 3G network.

## Connect to Internet (Gateway)

Please click **“Mode”** located at the web management interface, select **Wireless Router Mode(Gateway)**. The Router will reboot.

After Please click **“WAN→Setup”** located at the web management interface, Following example is for **“PPPoE(ADSL)”** WAN setting.

Enter the **“PPPoE Username”** and **“PPPoE Password”** that ISP provided and leave the others. (The **“Service Name”** can be blank)  
Click **“Apply”** button to save the settings then reboot the router.  
After reboot, your router is now ready for Internet connection.

If your ISP provides a static or fixed IP Address, Subnet Mask, Gateway and DNS setting, select **'STATIC (fixed IP)'**.

Enter the **IP address / Subnet Mask / Default Gateway / MTU / Primary / Secondary DNS** in dotted-decimal notation provided by your ISP.

The screenshot shows the 'WAN Setup' page with the 'Connection Type' set to 'STATIC (fixed IP)'. The fields for IP Address, Subnet Mask, Default Gateway, MTU (1500), Primary DNS Server, and Secondary DNS Server are all empty. The 'Help' text on the right states: 'Static IP Settings: Setup IP, Subnet Mask and Gateway provided by your ISP. MTU is the Maximum Transmission Unit of a network. DNS server address must be entered manually and also must be only one.' The 'APPLY' and 'CANCEL' buttons are at the bottom.

If your ISP provides the DHCP service, please choose **'DHCP(Auto config)'**, and the Router will automatically get IP parameters from your ISP.

This page displays the WAN IP parameters assigned dynamically by your ISP, including IP address, Subnet Mask, Default Gateway, etc.

The screenshot shows the 'WAN Setup' page with the 'Connection Type' set to 'DHCP (Auto config)'. The fields for MTU (1500), Primary DNS Server, Secondary DNS Server, and Hostname are empty. The 'Help' text on the right states: 'WAN Setup: MTU is the Maximum Transmission Unit of a network. You can setup DNS server address to obtain it manually or the one provided by ISP.' The 'APPLY' and 'CANCEL' buttons are at the bottom.

## WAN MAC Clone

Please click **"WAN -> MAC-Clone"** located at the web management interface, the following message will be displayed on your web browser:

Some ISPs require that you register the MAC Address of your adapter, which is connected to your cable/DSL Modem during installation. If your ISP requires MAC register.

If your PC's MAC address is proper MAC address, click the **"Use the MAC Address of the PC"** button and your PC's MAC address will fill in the "WAN MAC Address" field.

Or else, type the MAC Address into the "WAN MAC Address" field. The format for the MAC Address is XX-XX-XX-XX-XX-XX.

Then click the **"APPLY"** button. It will take effect after rebooting.

The screenshot shows the 'WAN MAC Clone' page. It has three radio button options: 'Use the MAC address registered (00:80:C0:01:08:0C)', 'Use the MAC address of the PC (00:0D:09:50:2A:15)', and 'Use the MAC address below:'. The last option has a text input field with six segments. The 'Help' text on the right states: 'WAN MAC Clone: You can modify MAC addresses of WAN devices as required.' The 'APPLY' and 'CANCEL' buttons are at the bottom.



## Dynamic DNS

Please click “**WAN (3G) -> DDNS**” located at the web management interface, the following message will be displayed on your web browser:

The Router offers the DDNS (Dynamic Domain Name System) feature, which allows the hosting of a website, FTP server, or e-mail server with a fixed domain name (named by yourself) and a dynamic IP address, and then your friends can connect to your server by entering your domain name no matter what your IP address is. Before using this feature, you need to sign up for DDNS service providers. The Dynamic DNS client service provider will give you a password or key.

Dynamic DNS (DDNS)

DDNS: ☐ Disable ☒ Enable

Username:  (Max: 31 characters)

Password:  (Max: 31 characters)

Host Name:

Current Address: 192.168.3.173

Current Status: **Disconnected**

**Help**  
DDNS: Username and password are that registered. Host name is the domain name. 'Current Status' displayed whether to registered successful.

To set up for DDNS, follow these instructions:

1. DDNS: Enabled
2. Type the User Name for your DDNS account.
3. Type the Password for your DDNS account.
4. Type the Domain Name you received from dynamic DNS service provider.
5. Click the **APPLY** button to log in the DDNS service.

## Wireless Base Configuration

Please click “**Wireless -> Basic**” located at the web management interface, the following message will be displayed on your web browser: You could configure the minimum number of Wireless settings for communication, such as Network Name (SSID) and Channel. The Access Point can be set simply with only the minimum setting items.

Status | Mode | 3G | LAN | **Wireless** | QoS | Security | Server | Routing | Admin | Logout

Basic Security Advanced WDS WPS Station List Mac Access

**Basic**

Wireless Enabled ☒

802.11 Mode: 11b/g/n mixed mode

SSID: Wireless3G-N1

Do Not Broadcast SSID: ☐

Channel: 2437MHz (Channel 6)

HT Channel: 2417MHz (Channel 2)

HT Data Rates: Auto

Channel Bandwidth: ☐ 20 ☒ 20/40

Guard Interval: ☐ Long ☒ Auto

HT TxStream: 2

HT RxStream: 2

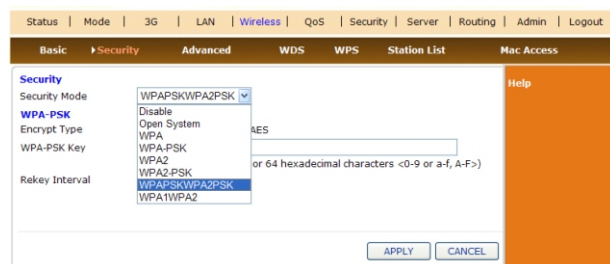
**Help**

Wireless Enabled	Wireless On/Off
802.11 Mode:	Supports 1b/g mixed, 802.11b, 802.11g and 1b/g/n mixed modes.
SSID:	Main Service Set Identifier. It's the " <b>name</b> " of your wireless network.
Do Not Broadcast SSID:	Select “ <b>enable</b> ” to enable the device's SSID to be visible by wireless clients
Channel	This field determines which operating frequency will be used. The default channel is set to Auto, so the AP will choose the best channel automatically. It is not necessary to change the wireless channel unless you notice interference problems with another nearby access point.

## Wireless Security Configuration

Please click "**Wireless-> Security**" located at the web management interface, the following message will be displayed on your web browser:

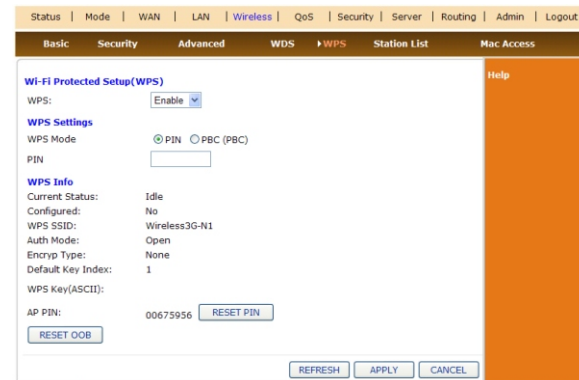
Setup the wireless security and encryption to prevent from unauthorized access and monitoring. Supports 64/128-bit WEP, WPA, WPA2 encryption methods.



When you finish, click **'APPLY'**.

Please click "**Wireless-> WPS**" located at the web management interface, the following message will be displayed on your web browser:

you can establish a wireless connection between wireless adapter and Router using either Push Button Configuration (PBC) method or PIN method.



**WPS:** Enable / Disable

**WPS Mode → PIN:** If the new device supports Wi-Fi Protected Setup and the PIN method, you can add it to the network by PIN.

**WPS Mode → PBC:** If the wireless adapter supports Wi-Fi Protected Setup and the Push Button Configuration (PBC)

Step 1: Press the WPS button on the Router.

Step 2: Press and hold the WPS button of the adapter directly for 2 or 3 seconds.

Step 3: Wait for a while until the next screen appears. Click Finish to complete the WPS configuration.

## Router Administrator Setup

### Change management password

Default password of Wireless Router is “admin”, and it's displayed on the login prompt when accessed from web browser. There's a security risk if you don't change the default password, since everyone can see it. This is very important when you have wireless function enabled.

To change password, please follow the following instructions:

Please click '**Admin-> Password**' menu on the web management interface, the following message will be displayed on your web browser:

When you finish, click '**APPLY**'; If you want to keep original password unchanged, click '**CANCEL**'.

## Settings Backup and Restore

You can backup all Setting of this router to a file, so you can make several copied of router configuration for security reason.

To backup or restore router setting, please follow the following instructions: Please click click '**Admin-> Backup&Restore**' located at the web management interface, then the following message will be displayed on your web browser:

Backup Settings :	Press ' <b>Backup...</b> ' button, and you'll be prompted to download the configuration as a file, default filename is ' <b>RxRouter.cfg</b> ', you can please save it as another filename for different versions, and keep it in a safe place.
Restore Settings :	Press ' <b>Browse...</b> ' to pick a previously-saved configuration file from your computer, and then click ' <b>Restore...</b> ' to transfer the configuration file to router. After the configuration is uploaded, the router's configuration will be replaced by the file you just uploaded.

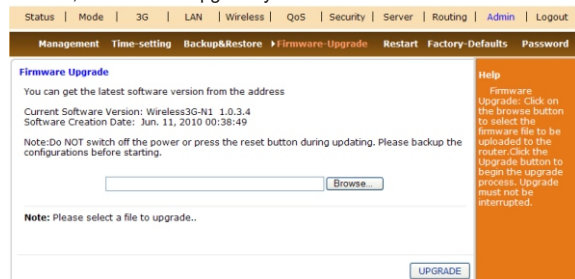
## Firmware Upgrade

The system software used by this router is called as 'firmware', just like any applications on your computer, when you replace the old application with a new one, your computer will be equipped with new function. You can also use this firmware upgrade function to add new functions to your router, even fix the bugs of this router.

To upgrade firmware, please follow the following instructions:

Please click '**Admin->Firmware-Upgrade**' located at the web management interface, then the following message will be displayed on your web browser:

Click '**Browse**' button first, you'll be prompted to provide the filename of firmware upgrade file. Please download the latest firmware file from our website, and use it to upgrade your router.



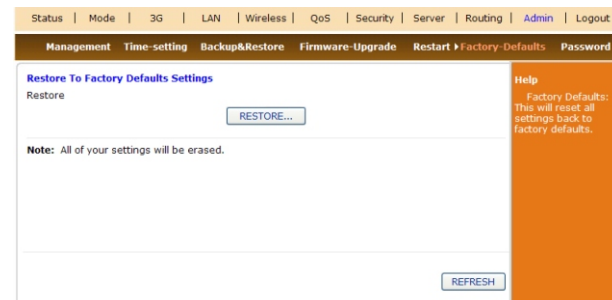
After a firmware upgrade file is selected, click '**UPGRADE**' button, and the router will start firmware upgrade procedure automatically. The procedure may take several minutes, please be patient.

**NOTE:** Never interrupt the upgrade procedure by closing the web browser or physically disconnect your computer from router. If the firmware you uploaded is corrupt, the firmware upgrade will fail, and you may have to return this router to the dealer of purchase to ask for help. (Warranty voids if you interrupted the upgrade procedure).

## Restore to Factory Default

If you think the network performance is bad, or you found the behavior of the router is strange, you can perform a router reset; sometime it will solve the problem.

To do so, please click '**Admin-> Factory-Defaults**' located at the web management interface, then the following message will be displayed on your web browser:



Load Factory Defaults: Click this '**RESTORE...**' button to remove all settings you made, and restore the configuration of this router back to factory default settings