

## Hướng dẫn chi tiết cách cấu hình bộ phát wifi TP Link 3220\_3420/3G

- TP Link-3420/3G có khả năng phát sóng không dây làm điểm truy cập cho máy tính xách tay và thiết bị không dây với mạng LAN.
- Tính năng bảo mật mã hóa WPA2-personal đảm bảo an toàn cho hệ thống mạng không dây.

### TP Link-3420/3G

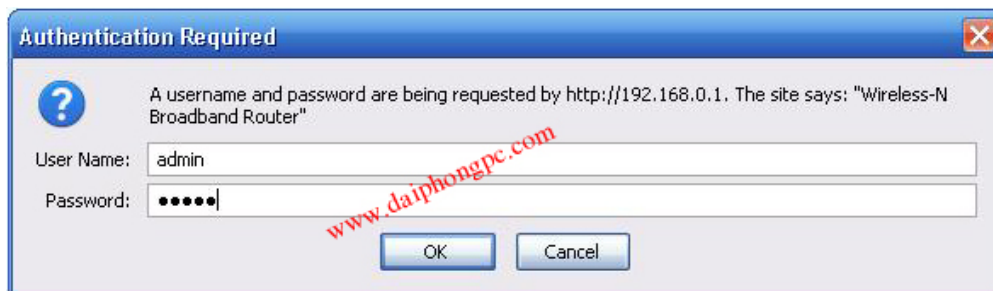
- TP Link-3420/3G có khả năng phát sóng không dây làm điểm truy cập cho máy tính xách tay và thiết bị không dây với mạng LAN.
- Tính năng bảo mật mã hóa WPA2-personal đảm bảo an toàn cho hệ thống mạng không dây.

Để cấu hình nhanh router wifi **TP Link-3420** ta lần lượt làm như sau:

- Dùng dây mạng bấm thẳng để kết nối router TP Link-3420 với laptop hoặc PC, một đầu vào cổng WAN màu vàng sau router và một đầu vào cổng LAN của máy tính.
- Mở trình duyệt web bất kỳ như Internet Explorer hoặc Mozilla Firefox:
- Nhập địa chỉ IP mặc định là **192.168.1.1** lên thanh địa chỉ của trình duyệt.



- Nhập đúng địa chỉ IP như trên trình duyệt sẽ hiện ra hộp thoại yêu cầu nhập user name và password. Username/ Password: **admin / admin**:



- Ta sẽ vào được giao diện chính của router wireless TP Link-3420 như hình minh họa:

**TP-LINK** 3G Wireless N Router  
Model No. TL-MR3420

**Status**

**Firmware Version:** 3.11.6 Build 100613 Rel.70993n  
**Hardware Version:** MR3420 v1 00000000

**LAN**

**MAC Address:** D8-5D-4C-F9-74-DE  
**IP Address:** 192.168.1.1  
**Subnet Mask:** 255.255.255.0

**Wireless**

**Wireless Radio:** Enable  
**Name (SSID):** TP-LINK\_F974DE  
**Channel:** Auto (Current channel 4)  
**Mode:** 11bgn mixed  
**Channel Width:** Automatic  
**Max Tx Rate:** 300Mbps

**Status Help**

The **Status** page displays the Router's current status and configuration. All information is read-only.

**LAN** - The following parameters apply to the LAN port of the Router. You can configure them in the **Network -> LAN** page.

- MAC Address** - The physical address of the Router, as seen from the LAN.
- IP Address** - The LAN IP address of the Router.
- Subnet Mask** - The subnet mask associated with LAN IP address.

**Wireless** - These are the current settings or information for Wireless. You can configure them in the **Wireless -> Wireless Settings** page.

- Wireless Radio** - Indicates whether the wireless radio feature of the Router is enabled or disabled.
- Name (SSID)** - The SSID of the Router.
- Channel** - The current wireless channel in use.
- Mode** - The current wireless mode which the Router works on.
- Channel Width** - The bandwidth of the wireless channel.
- Max Tx Rate** - The maximum tx rate.
- MAC Address** - The physical address of the Router, as seen from the WLAN.

**WAN** - The following parameters apply to the WAN ports of the Router. You can configure them in the **Network -> WAN** page.

- Ở bộ phát wifi TP Link 3420 này có hơi khác các router wifi khác là có thêm giao tiếp với USB 3G (kết nối với usb 3G để phát ra sóng wifi).

- Ở giao diện như hình minh họa có 4 lựa chọn cho người dùng:

- + 3G-Preferred: sử dụng 3G là truy cập chính, WAN là sao lưu.
- + 3G-Only: chỉ sử dụng 3G để truy cập Internet.
- + WAN-Preferred: sử dụng WAN là truy cập chính, 3G là sao lưu.
- + WAN-Only: chỉ sử dụng WAN để truy cập.

- Để sử dụng 3G và giao tiếp cổng WAN ta tick vào dòng đầu hoặc dòng thứ 3 đều được, sau đó click **Save** để lưu lại:

**TP-LINK** 3G Wireless N Router  
Model No. TL-MR3420

**Internet Access**

The router provides four Internet access mode for you to choose:

**3G Preferred** - Use 3G as the primary access, WAN as a backup.

**3G Only** - Only use 3G as the access to the Internet.

**WAN Preferred** - Use WAN as the primary access, 3G as a backup.

**WAN Only** - Only use WAN as the access to the Internet.

**Save**

**Internet Access Help**

You can select the Internet Access on this page. The router is designed to work with either WAN port or 3G USB modem, and supports automatically take over back up with 3G access as Ethernet WAN failover.

**3G Preferred**  
In this mode, the router will try 3G access first. When 3G access fails and WAN access is valid, or when no 3G USB modem is inserted, the router would switch to WAN access. When the router succeeds to connect to the 3G network, the router would stop the WAN connection and switch back to 3G access immediately.

**3G Only**  
In this mode, the router will try 3G access only. WAN access is disabled.

**WAN Preferred**  
In this mode, the router will try WAN access first. When the WAN access fails, and 3G access is valid, the router would switch to 3G access. When the router succeeds to connect to the WAN network, the router would stop the 3G connection and switch back to WAN access immediately.

**WAN Only**  
In this mode, the router will try WAN access only. 3G access is disabled.

- Xong bước trên đến bước tiếp theo thao tác như hình minh họa để cấu hình router theo USB 3G mà bạn dùng. Ở đây mình chỉ rõ cách cấu hình cho 3 loại usb 3G của 3 mạng chính là Viettel, Vina Phone và Mobile Phone:

- Cấu hình theo usb 3G của Viettel:

The screenshot shows the configuration page for a TP-Link 3G Wireless N Router (Model No. TL-MR3420). The left sidebar has 'Network' selected, with '- 3G' highlighted. The main content area is titled '3G' and shows the following settings:

- 3G USB Modem:** Unplugged.
- Location:** Australia
- Mobile ISP:** Bigpond
- Set the Dial Number and APN manually
- Dial Number:** \*99#
- APN:** v-internet
- Username:** (optional)
- Password:** (optional)
- Connection Mode:**
  - Connect on Demand
  - Connect Automatically
  - Connect Manually
- Max Idle Time:** 115 minutes (0 means remain active at all times)

The current Internet Access is 3G preferred. The Connection Mode and Max Idle Time could not be set manually.

The right sidebar contains '3G Help' with instructions for Location, Mobile ISP, Dial Number, APN, Username/Password, and Connect on Demand.

- Cấu hình theo usb 3G của VinaPhone:

The screenshot shows the configuration page for a TP-Link 3G Wireless N Router (Model No. TL-MR3420). The left sidebar has 'Network' selected, with '- 3G' highlighted. The main content area is titled '3G' and shows the following settings:

- 3G USB Modem:** Unplugged.
- Location:** Australia
- Mobile ISP:** Bigpond
- Set the Dial Number and APN manually
- Dial Number:** \*99#
- APN:** m3-world
- Username:** mms (optional)
- Password:** ●●● (optional)
- Connection Mode:**
  - Connect on Demand
  - Connect Automatically
  - Connect Manually
- Max Idle Time:** 115 minutes (0 means remain active at all times)

The current Internet Access is 3G preferred. The Connection Mode and Max Idle Time could not be set manually.

The right sidebar contains '3G Help' with instructions for Location, Mobile ISP, Dial Number, APN, Username/Password, and Connect on Demand.

- Cấu hình theo usb 3G của Mobile Phone:

**TP-LINK®** 3G Wireless N Router  
Model No. TL-MR3420

- Status
- Quick Setup
- OSS
- Network
- Internet Access
- 3G
- WAN
- MAC Clone
- LAN
- Wireless
- DHCP
- Forwarding
- Security
- Parental Control
- Access Control
- Static Routing
- Bandwidth Control
- IP & MAC Binding
- Dynamic DNS
- System Tools

### 3G

**3G USB Modem:** Unplugged.

If your location or ISP is not listed, or the default Dial Number / APN is not the latest one, please enable **Set the Dial Number and APN manually** and fill in the right ones.

**Location:**

**Mobile ISP:**

Set the Dial Number and APN manually

**Dial Number:**

**APN:**

**Username:**  (optional)

**Password:**  (optional)

The current Internet Access is 3G preferred. The Connection Mode and Max Idle Time could not be set manually.

**Connection Mode:**

Connect on Demand

Connect Automatically

Connect Manually

Max Idle Time:  minutes (0 means remain active at all times)

#### 3G Help

**Location** - Please select the location where you're enjoying the 3G card.

**Mobile ISP** - Please select the ISP(Internet Service Provider) you apply to for 3G service. The router will show the default Dial Number and APN of that ISP.

**Use the following Dial Number and APN** - Click the checkbox and fill the Dial Number and APN blanks below if your ISP is not listed in the **Mobile ISP**.

**Username/Password** - Enter the User Name and Password provided by your ISP. These fields are case-sensitive.

**Dial Number** - Enter the Dial Number provided by your ISP.

**APN** - Enter the APN(Access Point Name) provided by your ISP.

**Connect on Demand** - You can configure the Router to disconnect your Internet connection after a specified period of the internet connectivity (**Max Idle Time**). If your internet connection has been terminated due to inactivity, **Connect on Demand** enables the Router to automatically re-establish your connection as soon as you attempt to access the Internet again. If you wish to activate **Connect on Demand**, click the radio button. If you want your Internet connection to remain active at all times, enter **0** in the **Max Idle Time** field. Otherwise, enter the number of minutes you want to have elapsed before your Internet connection terminates.

**Note** - Sometimes the connection cannot be disconnected

- Bước tiếp theo là đổi địa chỉ IP cho router để tránh trùng địa chỉ IP của modem, thao tác như hình minh họa:

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- Status
- Quick Setup
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- 3G
- WAN
- MAC Clone
- LAN
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- Security
- Parental Control
- Access Control
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- Bandwidth Control
- IP & MAC Binding
- Dynamic DNS
- System Tools

### LAN

**MAC Address:** D8-5D-4C-F9-74-DE

**IP Address:**

**Subnet Mask:**

#### LAN Help

You can configure the IP parameters of LAN on this page.

- MAC Address** - The physical address of the LAN ports, as seen from the LAN. The value can not be changed.
- IP Address** - Enter the IP address of your Router in dotted-decimal notation (factory default: 192.168.1.1)
- Subnet Mask** - An address code that determines the size of the network. Usually it is 255.255.255.0.

**Note:**

- If you change the LAN IP address, you must use the new IP address to login to the Router.
- If the new LAN IP address you set is not in the same subnet with the previous one, the IP Address pool in the DHCP server will be configured automatically, but the Virtual Server and DMZ Host will not take effect until they are re-configured

Click the **Save** button to save your settings.

- Đặt tên cho mạng wifi:

**TP-LINK** 3G Wireless N Router  
Model No. TL-MR3420

**Wireless Settings**

SSID:

Region:

**Warning:** Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Channel:

Mode:

Channel Width:

Max Tx Rate:

Enable Wireless Router Radio

Enable SSID Broadcast

Enable WDS

The change of wireless config will not take effect until the Router reboots, please [click here](#) to reboot.

**Wireless Settings Help**

**Note:** The operating distance or range of your wireless connection varies significantly based on the physical placement of the Router. For best results, place your Router.

- Near the center of the area in which your wireless stations will operate.
- In an elevated location such as a high shelf.
- Away from the potential sources of interference, such as PCs, microwaves, and cordless phones.
- With the Antenna in the upright position.
- Away from large metal surfaces.

**Note:** Failure to follow these guidelines can result in significant performance degradation or inability to wirelessly connect to the Router.

**SSID** - Enter a value of up to 32 characters. The same Name (SSID) must be assigned to all wireless devices in your network.

**Region** - Select your region from the pull-down list. This field specifies the region where the wireless function of the Router can be used. It may be illegal to use the wireless function of the Router in a region other than one of those specified in this field. If your country or region is not listed, please contact your local government agency for assistance.

**Channel** - This field determines which operating frequency will be used. It is not necessary to change the wireless channel unless you notice interference problems with another nearby

- Đặt password cho mạng wifi:

**TP-LINK** 3G Wireless N Router  
Model No. TL-MR3420

**Wireless Security**

WPA/WPA2

Version:

Encryption:

Radius Server IP:

Radius Port:  (1-65535, 0 stands for default port 1812)

Radius Password:

Group Key Update Period:  (in second, minimum is 30, 0 means no update)

WPA-PSK/WPA2-PSK

Version:

Encryption:

PSK Password:

(You can enter ASCII characters between 8 and 63 or Hexadecimal characters)

Group Key Update Period:  (in second, minimum is 30, 0 means no update)

The change of wireless config will not take effect until the Router reboots, please [click here](#) to reboot.

**Wireless Security Help**

You can select one of the following security options:

- Disable Security** - The wireless security function can be enabled or disabled. If disabled, the wireless stations will be able to connect the Router without encryption. It is recommended strongly that you choose one of following options to enable security.
- WEP** - Select 802.11 WEP security.
- WPA-PSK** - Select WPA based on pre-shared passphrase.
- WPA** - Select WPA based on Radius Server.

Each security option has its own settings as described follows.

**WEP**

**Type** - You can select one of following types,

- Automatic** - Select **Shared Key** or **Open System** authentication type automatically based on the wireless station's capability and request.
- Shared Key** - Select 802.11 Shared Key authentication.
- Open System** - Select 802.11 Open System authentication.

**WEP Key Format** - You can select **ASCII** or **Hexadecimal** format. ASCII Format stands for any combination of keyboard characters in the specified length. Hexadecimal format stands for any combination of hexadecimal digits (0-9, a-f, A-F) in the specified length.

- Click here để Reboot lại router:

**TP-LINK®** 3G Wireless N Router  
Model No. TL-MR3420

- Status
- Quick Setup
- OSS
- Network
- Wireless
- Wireless Settings
- Wireless Security
- Wireless MAC Filtering
- Wireless Advanced
- Wireless Statistics
- DHCP
- Forwarding
- Security
- Parental Control
- Access Control
- Static Routing
- Bandwidth Control
- IP & MAC Binding
- Dynamic DNS
- System Tools

### Reboot

Click this button to reboot the device.

Reboot

The page at http://192.168.1.1 says:

Are you sure to reboot the Router?

OK

Cancel

#### Reboot Help

Click the **Reboot** button to reboot the Router.

Some settings of the Router will take effect only after rebooting, which include:

- Change the LAN IP Address (system will reboot automatically).
- Change the DHCP Settings.
- Change the Wireless configurations.
- Change the Web Management Port.
- Upgrade the firmware of the Router (system will reboot automatically).
- Restore the Router's settings to the factory defaults (system will reboot automatically).
- Update the configuration with the file (system will reboot automatically).

**TP-LINK®** 3G Wireless N Router  
Model No. TL-MR3420

- Status
- Quick Setup
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- Network
- Wireless
- Wireless Settings
- Wireless Security
- Wireless MAC Filtering
- Wireless Advanced
- Wireless Statistics
- DHCP
- Forwarding
- Security
- Parental Control
- Access Control
- Static Routing
- Bandwidth Control
- IP & MAC Binding
- Dynamic DNS
- System Tools

### Restart

Restarting...

11%

#### Reboot Help

Click the **Reboot** button to reboot the Router.

Some settings of the Router will take effect only after rebooting, which include:

- Change the LAN IP Address (system will reboot automatically).
- Change the DHCP Settings.
- Change the Wireless configurations.
- Change the Web Management Port.
- Upgrade the firmware of the Router (system will reboot automatically).
- Restore the Router's settings to the factory defaults (system will reboot automatically).
- Update the configuration with the file (system will reboot automatically).

- Như thế ta đã cấu hình xong bộ phát wifi **TP Link 3420/3G** một cách đơn giản, mọi thông số khác ta để mặc định.

- Kết nối từ modem đến cổng WLAN màu xanh hoặc USB 3G vào sau router là ta đã có 1 mạng không dây như mong muốn.

Mọi thông tin về sản phẩm bạn có thể xem thêm tại <http://daiphongpc.com>