

ASUS Router MAC Clone Setup Procedure

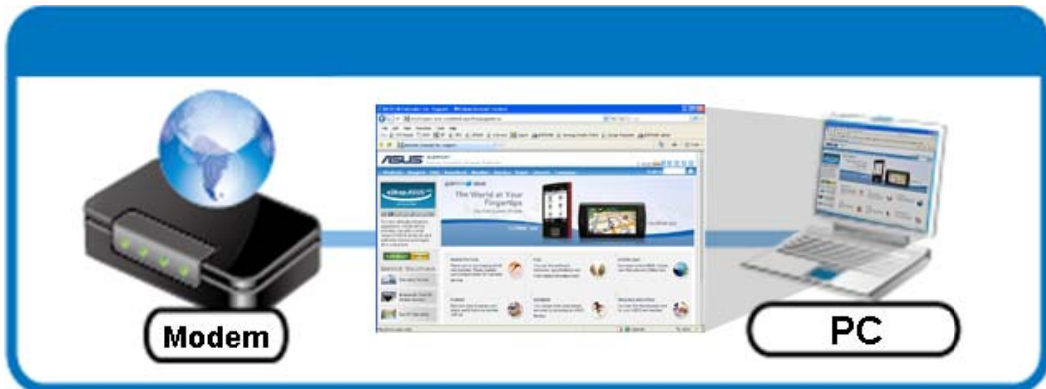
Introduction:

This document describes how to set up an ASUS wireless router (such as RT-N16, RT-N13U, RT-N15, etc.) to connect to the Internet if your cable modem does not renew an IP address to your ASUS router due to MAC binding.

1. Connect the cable modem's network cable into your desktop/notebook PC.



2. Open a web browser and navigate to a few web pages and confirm that the cable modem has successfully connected your PC to the Internet*.

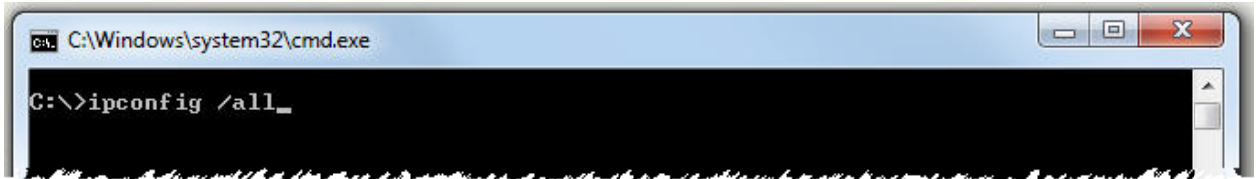


Note: If your PC is not connected to the Internet, try and reset your cable modem by unplugging the power to the cable modem for a few seconds and then power it back on.

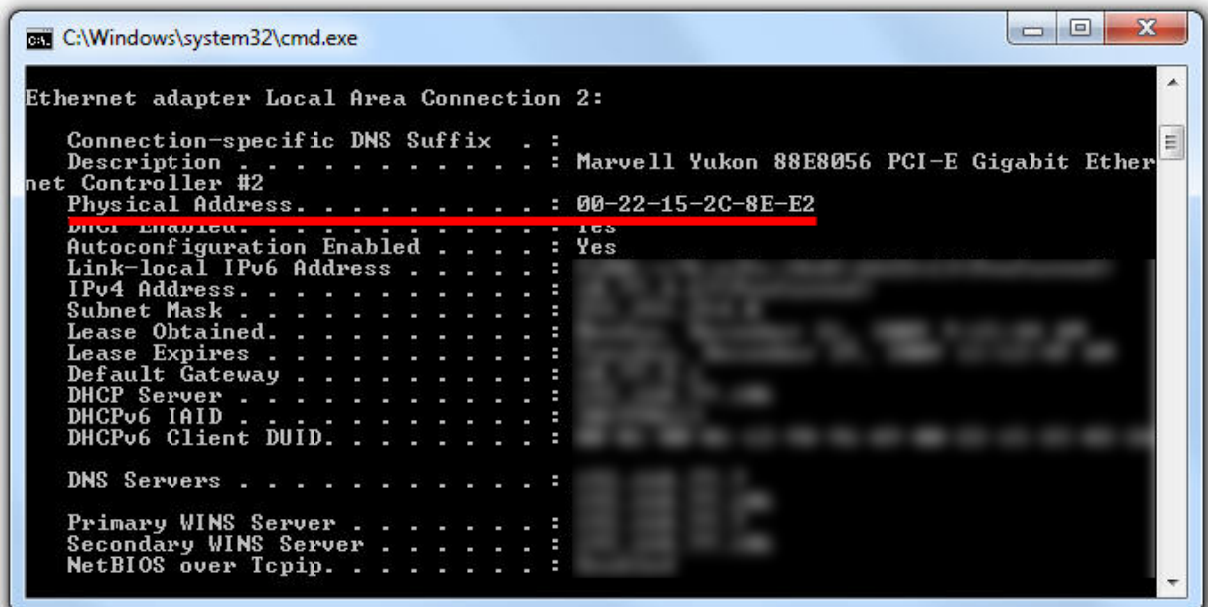
3. Using the Windows command prompt, find the 12-digit MAC address (Physical Address) assigned to your PC and copy it down.

For Windows XP/Vista/7 users:

1. Click *Start > All Programs > Accessories > Command Prompt*
2. A command prompt window will appear and type: **ipconfig /all**.
3. Scroll down and under the "Ethernet adapter Local Area Connection", find the "Physical Address" (it is in the format XX-XX-XX-XX-XX-XX).

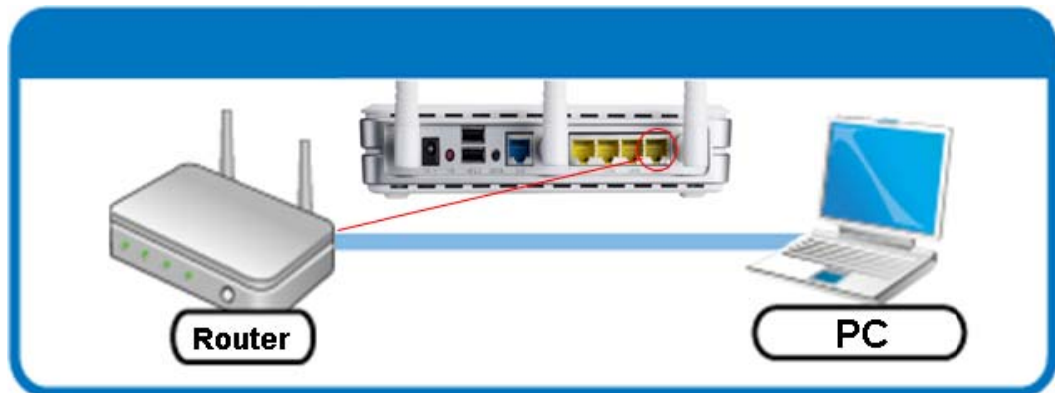


```
C:\Windows\system32\cmd.exe
C:\>ipconfig /all_
```



```
C:\Windows\system32\cmd.exe
Ethernet adapter Local Area Connection 2:
    Connection-specific DNS Suffix . . . . . :
    Description . . . . . : Marvell Yukon 88E8056 PCI-E Gigabit Ether
net Controller #2
    Physical Address. . . . . : 00-22-15-2C-8E-E2
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . . : Yes
    Link-local IPv6 Address . . . . . :
    IPv4 Address. . . . . :
    Subnet Mask . . . . . :
    Lease Obtained. . . . . :
    Lease Expires . . . . . :
    Default Gateway . . . . . :
    DHCP Server . . . . . :
    DHCPv6 IAID . . . . . :
    DHCPv6 Client DUID. . . . . :
    DNS Servers . . . . . :
    Primary WINS Server . . . . . :
    Secondary WINS Server . . . . . :
    NetBIOS over Tcpip. . . . . :
```

4. Remove the cable modem's network cable from your desktop/notebook PC and insert a network cable from your ASUS router's LAN port to your desktop/notebook PC.



5. Open an Internet browser and type in the address "**192.168.1.1**" (router's default address, if you changed it, please use the one you assigned).



6. Type "**admin**" for the User name, "**admin**" for the Password, and click "OK". (admin/admin are router's default login Username and Password, if you changed them, please use the new one.)



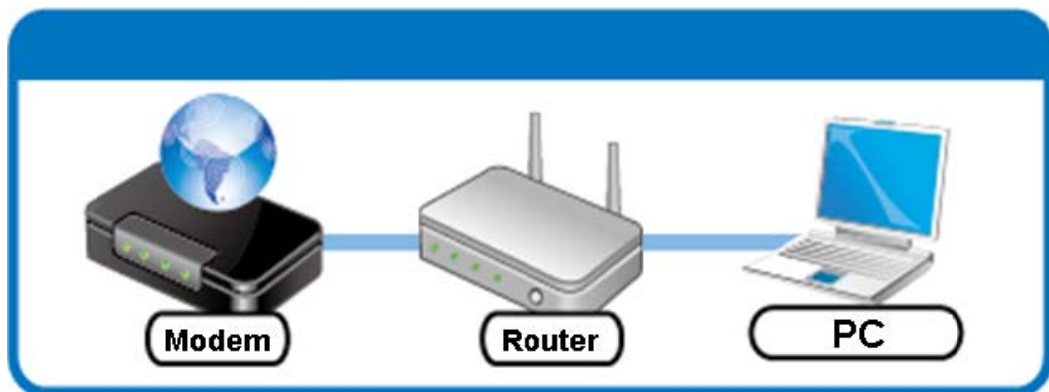
7. Go to **Advanced Setting** > **WAN** > **Internet Connection** tab, then scroll down to the section labeled **Special Requirement from ISP**.

The screenshot displays the ASUS RT-N16 web management interface. At the top, the ASUS logo is on the left, and system information (Time: 00:24:39, SSID: RT-N, Firmware Version: 1.0.0.6) and a Language dropdown menu (set to English) are on the right. A left-hand navigation menu includes options like Network Map, UPnP Media Server, AiDisk, EzQoS Bandwidth Management, and Advanced Setting. The Advanced Setting menu is expanded to show Wireless, LAN, WAN (highlighted), USB Application, Firewall, Administration, and System Log. The main content area is titled 'Internet Connection' and has sub-tabs for QoS, Port Trigger, Virtual Server, DMZ, and DDNS. The 'WAN - Internet Connection' section contains a descriptive paragraph and several configuration fields: WAN Connection Type (Dynamic IP), Choose IPTV STB Port (None), WAN IP Setting (Get the WAN IP automatically? Yes/No, IP Address, Subnet Mask, Default Gateway), WAN DNS Setting (Connect to DNS Server automatically? Yes/No, DNS Server1, DNS Server2), and Special Requirement from ISP (VPN Server, Host Name, MAC Address).

8. In the **MAC Address** section, type in the MAC address that was copied down from step 3 and click "**Apply**" when finished.



9. After the router finishes applying the settings, insert the cable modem's network cable into the **WAN** port of your ASUS router, and connect your desktop/notebook PC to one of router's **LAN** ports.



- Go to the **Network Map**, click the **Internet** icon, and wait a few seconds or press **“Renew”** and you should see a valid IP address and **Connection Status: Connected**.

The screenshot displays the ASUS router's web management interface. At the top, the ASUS logo is on the left, and system information (Time: 00:26:20, SSID: RT-N, Firmware Version: 1.0.0.6) and a language dropdown (English) are on the right. Below the language dropdown are 'Logout' and 'Reboot' buttons. The main area is divided into a left sidebar and a central content area. The sidebar, titled 'Network Map', contains links for 'UPnP Media Server', 'AiDisk', 'EzQoS Bandwidth Management', and 'Advanced Setting'. The central content area features a network diagram with a globe icon circled in red and labeled 'Connected'. Below it is an 'ASUS RT-N' router icon with details: 'SSID: RT-N' and 'Security level: Open System'. A 'Clients: 2' icon is shown below the router. To the right of the router are two dashed boxes, each containing a USB icon and the text 'No Device'. On the far right, the 'Internet status' panel shows 'Connection status: Connected' with a 'Pause' button, 'WAN IP:', 'DNS:', 'Connection type: Automatic IP', 'Gateway:', and 'Quick Internet Setup: GO' buttons. A 'More Config...' dropdown is at the bottom of this panel.