Wireless Repeater Setup Guide
(NP124)
The Netcomm NP124 Wireless Extender can act as a wireless repeater between a wireless router and computers. This is particularly useful as a wireless repeater when your laptop or computer is too far away from any of other wireless access points on your premises. When configured successfully the NP124 can be used to extend the range of a local wireless network.

To setup the NP124 in repeater mode complete the following steps:

1. Connect an ethernet cable from the NP124 ethernet port to the ethernet port of your computer.
3. Enter “admin” as both the user name and password and click the Ok button.
4. Select the Auto Setup option from the options in quick setup.

5. Select the access point you wish the NP124 to act as a repeater for and press the Connect button. For the example below we will select an access point called “ETL-WLAN” for the NP124 will connect to.
6. Make sure the Operation Mode is selected as **Repeater** and in the Passphrase field put in your wireless password that you use to connect to your wireless connection with.

7. Ensure the wireless security mode, encryption type, and wireless channel is the same as that used by the access point that the NP124 is connecting to. Make any appropriate changes and press the **Apply** button.
8. A message advising the configuration changes are in progress will appear as shown below.

9. You will now come to a page that will say that the settings have saved successfully and the connection status should say "connected".
10. You will now lose connectivity to the NP124 configuration page as the IP address of the NP124 changes once repeater mode has been successfully configured. To confirm the change of IP address for the NP124 open a command prompt:

11. Click **Start > All Programs > Accessories > Command Prompt**.

![Command Prompt](image)

```
C:\Users\Tech-Support>ipconfig
Windows IP Configuration

Ethernet adapter Local Area Connection:
   Connection-specific DNS Suffix . : home
   IPv4 Address. . . . . . . . . . . . : 192.168.1.2
   Subnet Mask . . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : 192.168.1.1

Tunnel adapter Teredo Tunneling Pseudo-Interface:
   Media State . . . . . . . . . . . . : Media disconnected

Tunnel adapter isatap.home:
   Media State . . . . . . . . . . . . : Media disconnected
```

12. In the command prompt type “ipconfig” and press the enter key on your keyboard. The default gateway address of the Ethernet adapter Local Area Connection should now be the same IP address as the access point the NP124 is acting as a repeater for. As can be seen in the above screen-shot the Default Gateway address of the NP124 has changed from 192.168.20.1 to 192.168.1.1. The NP124 is now repeating for the other access point and you should now have network access through the NP124 to the other access point's network.
13. Try entering the new default gateway address in a web browser and the interface of the other access point should now be able to be accessed. The example below shows the access point interface that the NP124 is repeating for accessed using (the access point’s IP address) 192.168.1.1 through the repeating NP124.
Accessing the NP124 GUI Interface Once it is in Repeater Mode

14. To access the interface of the NP124 after it is in repeater mode you will need to connect to the NP124 with an ethernet cable and set a static IP address on your computer's Local Area Connection network adapter. The IP address needs to be in the range of 192.168.20.2 – 192.168.20.254, with a subnet mask of 255.255.255.0 and a default gateway of 192.168.20.1.

15. To set a static IP address on your computer's Local Area Connection network adapter so that you can once again access the GUI interface of the NP124 complete the following:

- Click Start > All Programs > Accessories > Command Prompt. Type ncpa.cpl and press enter.

- Right click on Local Area Connection and select Properties.
Select **Internet Protocol Version 4 (TCP/IPv4)** or for Window XP or earlier **Internet Protocol (TCP/IP)** and press the **Properties** button.

Select Use the Following IP address. Enter 192.168.20.5 as the **IP Address**, 255.255.255.0 as the **Subnet Mask** and 192.168.20.1 as the **Default Gateway**. Press the **Ok** button.
Now open a web browser and enter "192.168.20.1" (no quotes) in the address bar. Enter “admin” as both the user name and password and click the Ok button.

You will then have access to the NP124 web interface.