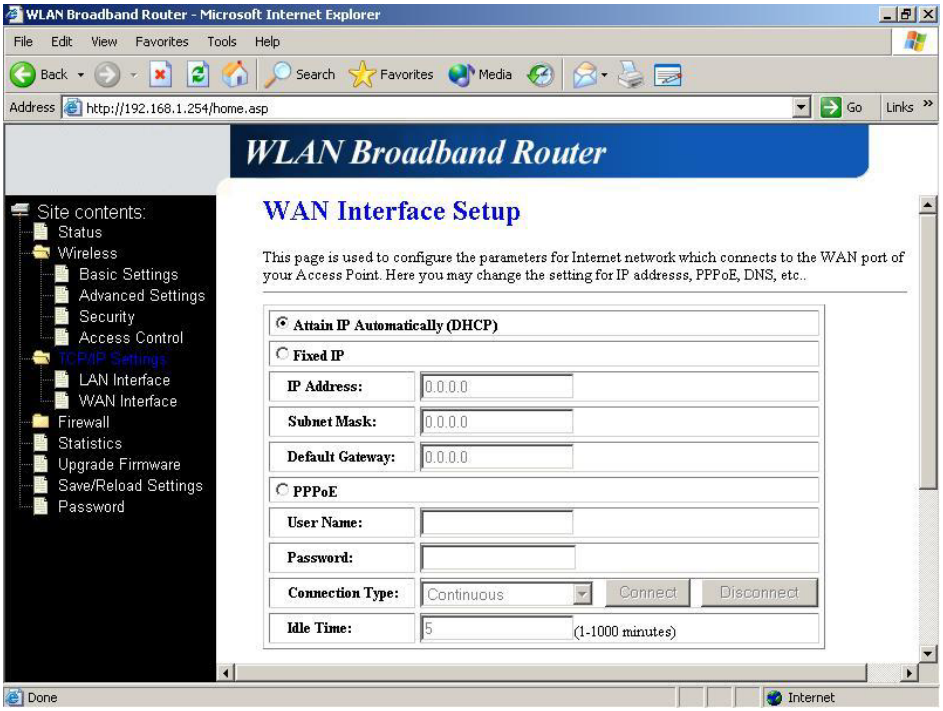
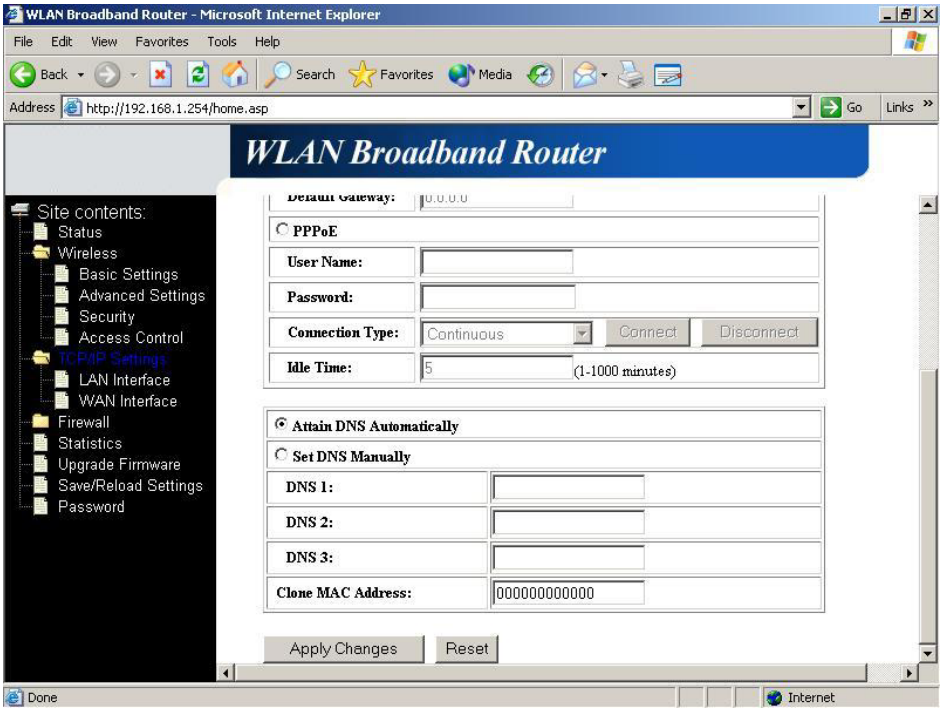



Screenshot – WAN Interface Setup - 1




Screenshot – WAN Interface Setup - 2

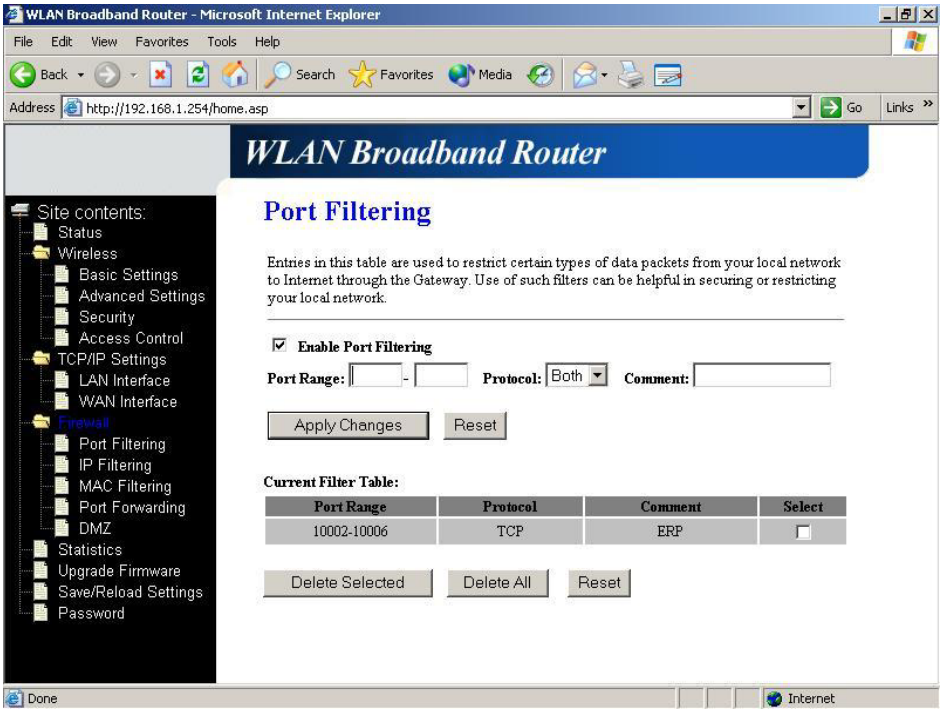
| Item | Description |
|---|---|
| ***Attain IP Automatically (DHCP)*** | Click to select DHCP support on WAN interface for IP address assigned automatically from a DHCP server. |

| | |
|---|---|
| ***Fixed IP*** | Click to select fixed IP support on WAN interface. There are IP address, subnet mask and default gateway settings need to be done. |
| ***IP Address*** | If you select the fixed IP support on WAN interface, fill in the IP address for it. |
| ***Subnet Mask*** | If you select the fixed IP support on WAN interface, fill in the subnet mask for it. |
| ***Default Gateway*** | If you select the fixed IP support on WAN interface, fill in the default gateway for WAN interface out going data packets. |
| ***PPPoE*** | Click to select PPPoE support on WAN interface. There are user name, password, connection type and idle time settings need to be done. |
| ***User Name*** | If you select the PPPoE support on WAN interface, fill in the user name and password to login the PPPoE server. |
| ***Password*** | If you select the PPPoE support on WAN interface, fill in the user name and password to login the PPPoE server. |
| ***Connection Type*** | Select the connection type from pull-down menu. There are ***Continuous***, ***Connect on Demand*** and ***Manual*** three types to select.<br>***Continuous*** connection type means to setup the connection through PPPoE protocol whenever this WLAN Broadband Router is powered on.<br>***Connect on Demand*** connection type means to setup the connection through PPPoE protocol whenever you send the data packets out through the WAN interface; there are a watchdog implemented to close the PPPoE connection while there are no data sent out longer than the idle time set.<br>***Manual*** connection type means to setup the connection through the PPPoE protocol by clicking the ***Connect*** button manually, and clicking the ***Disconnect*** button manually. |
| ***Idle Time*** | If you select the ***PPPoE*** and ***Connect on Demand*** connection type, fill in the idle time for auto-disconnect function. Value can be between 1 and 1000 minutes. |
| ***Attain DNS*** | Click to select getting DNS address for ***DHCP***, ***PPPoE*** |

| | |
|---|---|
| ***Automatically*** | support. Please select ***Set DNS Manually*** if the ***Fixed IP*** support is selected. |
| ***Set DNS Manually*** | Click to select getting DNS address for ***Fixed IP*** support. |
| ***DNS 1*** | Fill in the IP address of Domain Name Server 1. |
| ***DNS 2*** | Fill in the IP address of Domain Name Server 2. |
| ***DNS 3*** | Fill in the IP address of Domain Name Server 3. |
| ***Apply Changes*** | Click the ***Apply Changes*** button to complete the new configuration setting. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |

### 3.3.8 Firewall - Port Filtering

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.



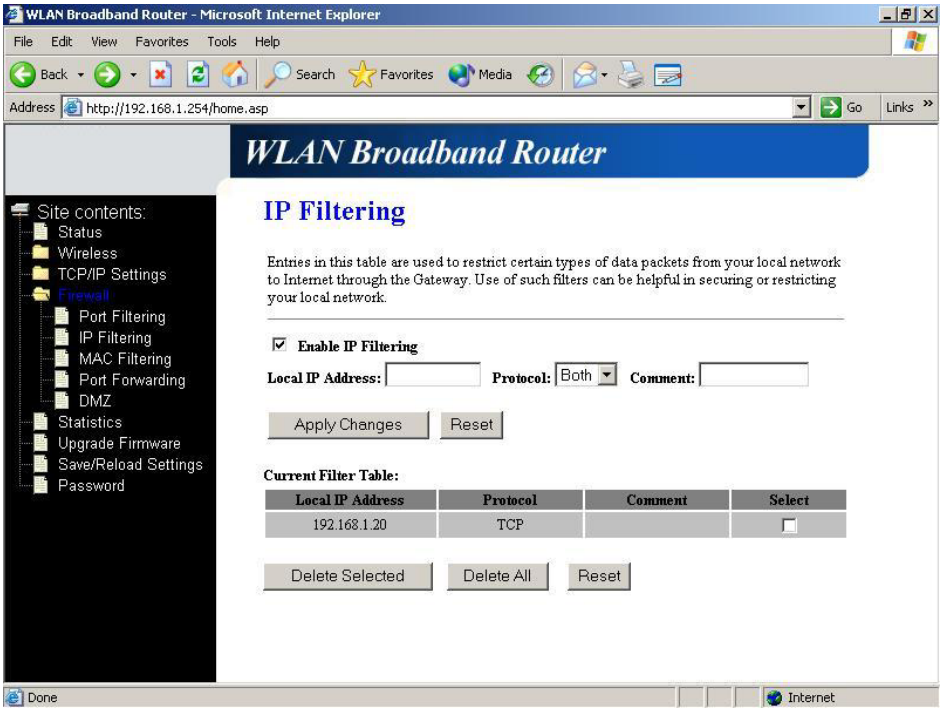

Screenshot – Firewall - Port Filtering

| Item | Description |
|---|---|
| ***Enable Port Filtering*** | Click to enable the port filtering security function. |
| ***Port Range*** | To restrict data transmission from the local network on |

| | |
|---|---|
| ***Protocol***<br>***Comments*** | certain ports, fill in the range of start-port and end-port, and the protocol, also put your comments on it.<br>The ***Protocol*** can be TCP, UDP or Both.<br>***Comments*** let you know about whys to restrict data from the ports. |
| ***Apply Changes*** | Click the ***Apply Changes*** button to register the ports to port filtering list. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |
| ***Delete Selected*** | Click to delete the selected port range that will be removed from the port-filtering list. |
| ***Delete All*** | Click to delete all the registered entries from the port-filtering list. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |

### 3.3.9 Firewall - IP Filtering

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

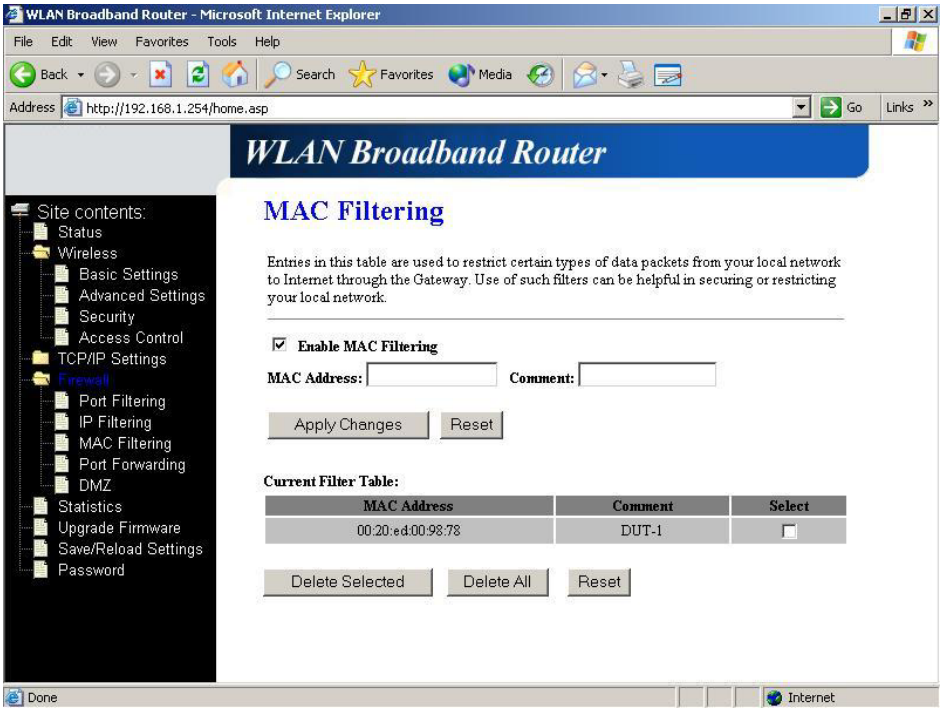



Screenshot – Firewall - IP Filtering

| Item | Description |
|---|---|
| ***Enable IP Filtering*** | Click to enable the IP filtering security function. |
| ***Local IP Address***<br>***Protocol***<br>***Comments*** | To restrict data transmission from local network on certain IP addresses, fill in the IP address and the protocol, also put your comments on it.<br>The ***Protocol*** can be TCP, UDP or Both.<br>***Comments*** let you know about whys to restrict data from the IP address. |
| ***Apply Changes*** | Click the ***Apply Changes*** button to register the IP address to IP filtering list. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |
| ***Delete Selected*** | Click to delete the selected IP address that will be removed from the IP-filtering list. |
| ***Delete All*** | Click to delete all the registered entries from the IP-filtering list. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |

### 3.3.10 Firewall - MAC Filtering

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.



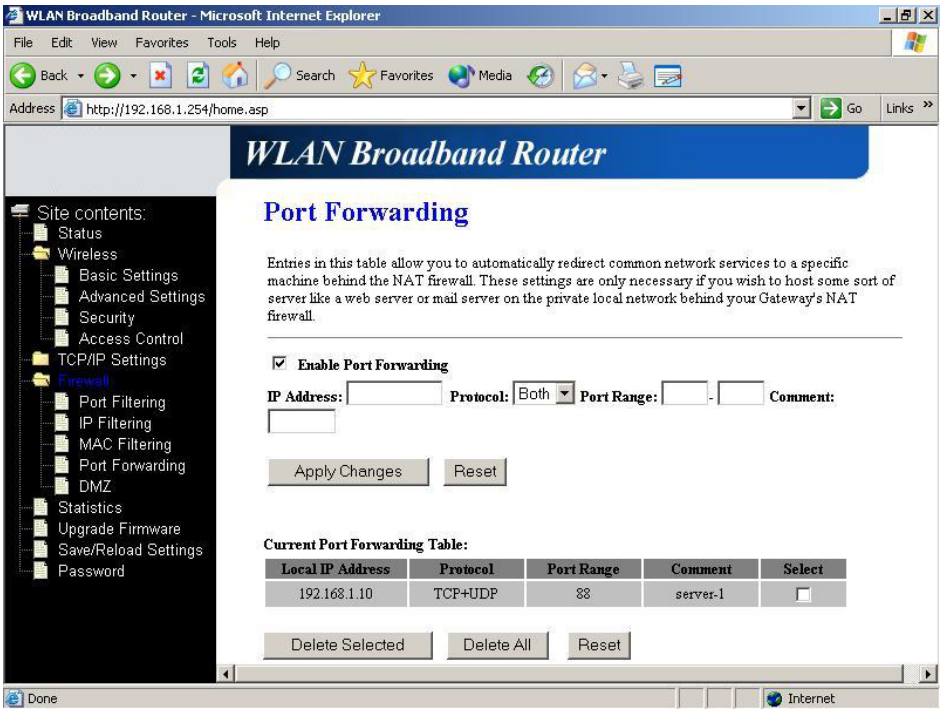

Screenshot – Firewall - MAC Filtering

| Item | Description |
|---|---|
| ***Enable MAC Filtering*** | Click to enable the MAC filtering security function. |
| ***MAC Address*** | To restrict data transmission from local network on certain MAC addresses, fill in the MAC address and your comments on it. |
| ***Comments*** | ***Comments*** let you know about whys to restrict data from the MAC address. |
| ***Apply Changes*** | Click the ***Apply Changes*** button to register the MAC address to MAC filtering list. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |
| ***Delete Selected*** | Click to delete the selected MAC address that will be removed from the MAC-filtering list. |
| ***Delete All*** | Click to delete all the registered entries from the MAC-filtering list. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |

### 3.3.11 Firewall - Port Forwarding

Entries in this table allow you to automatically redirect common network services

to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.



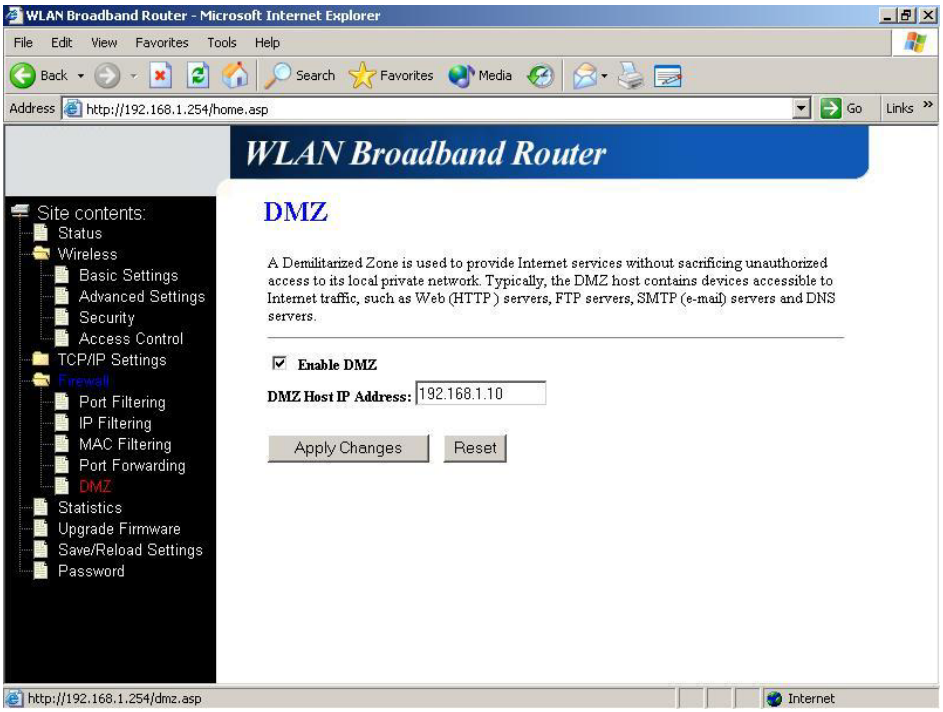

Screenshot – Firewall - Port Forwarding

| Item | Description |
|---|---|
| ***Enable Port Forwarding*** | Click to enable the Port Forwarding security function. |
| ***IP Address*** ***Protocol*** ***Port Range*** ***Comment*** | To forward data packets coming from WAN to a specific IP address that hosted in local network behind the NAT firewall, fill in the IP address, protocol, port range and your comments.<br>The ***Protocol*** can be TCP, UDP or Both.<br>The ***Port Range*** for data transmission.<br>***Comments*** let you know about whys to allow data packets forward to the IP address and port number. |
| ***Apply Changes*** | Click the ***Apply Changes*** button to register the IP address and port number to Port forwarding list. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |

| | |
|---|---|
| ***Delete Selected*** | Click to delete the selected IP address and port number that will be removed from the port-forwarding list. |
| ***Delete All*** | Click to delete all the registered entries from the port-forwarding list. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |

### 3.3.12 Firewall - DMZ

A Demilitarized Zone is used to provide Internet services without sacrificing unauthorized access to its local private network. Typically, the DMZ host contains devices accessible to Internet traffic, such as Web (HTTP ) servers, FTP servers, SMTP (e-mail) servers and DNS servers.



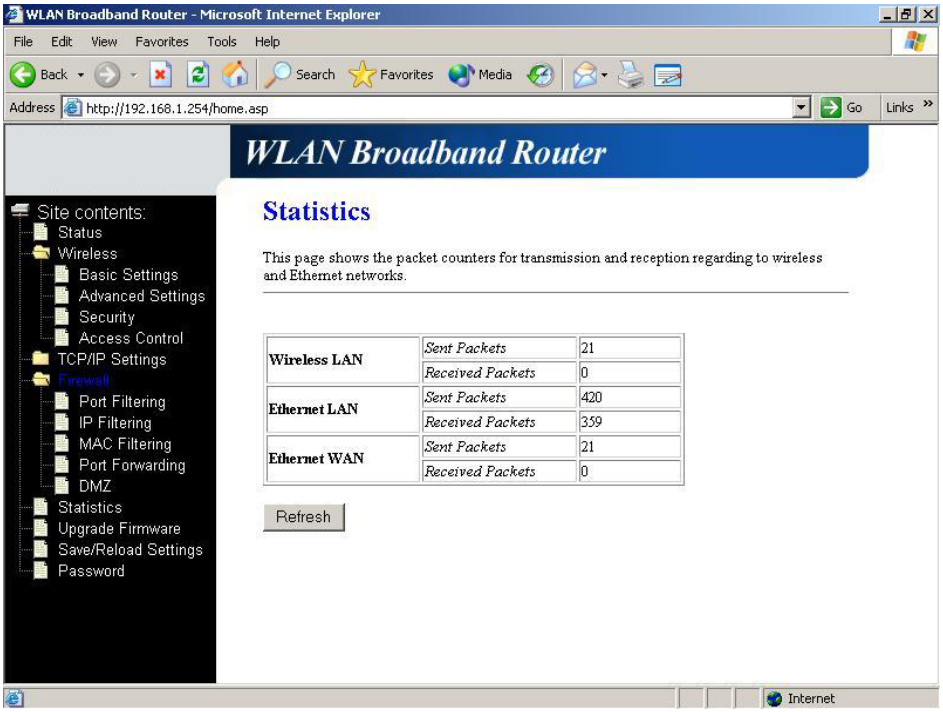

Screenshot – Firewall - DMZ

| Item | Description |
|---|---|
| ***Enable DMZ*** | Click to enable the DMZ function. |
| ***DMZ Host IP Address*** | To support DMZ in your firewall design, fill in the IP address of DMZ host that can be access from the WAN interface. |
| ***Apply Changes*** | Click the ***Apply Changes*** button to register the IP address |

| | |
|---|---|
| | of DMZ host. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |

### 3.3.13 Statistics

This page shows the packet counters for transmission and reception regarding to wireless, Ethernet LAN and Ethernet WAN networks.



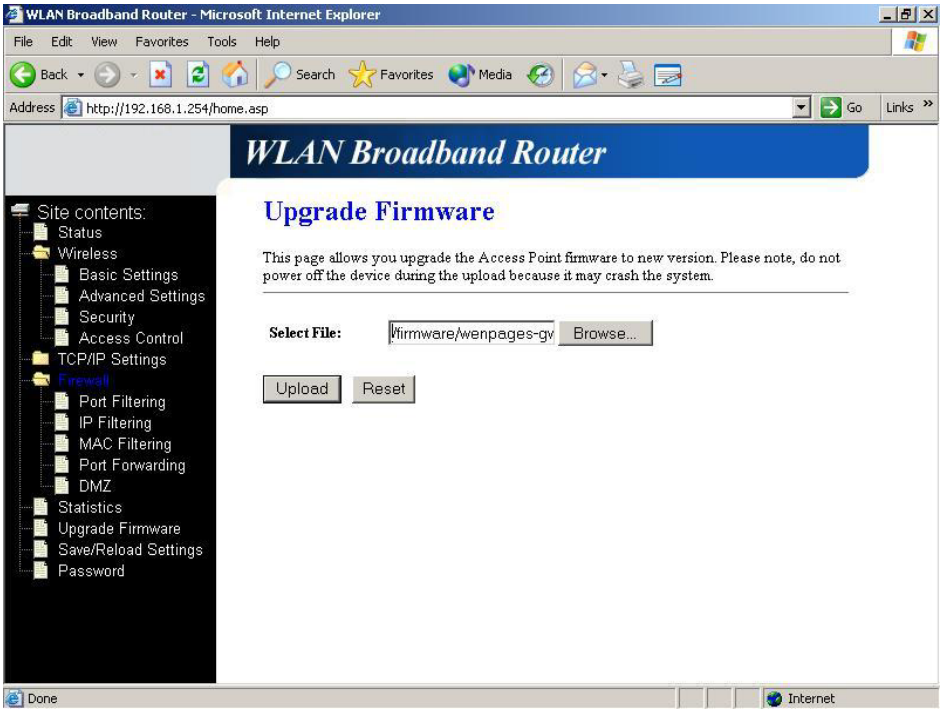

Screenshot – Statistics

| Item | Description |
|---|---|
| ***Wireless LAN Sent Packets*** | It shows the statistic count of sent packets on the wireless LAN interface. |
| ***Wireless LAN Received Packets*** | It shows the statistic count of received packets on the wireless LAN interface. |
| ***Ethernet LAN Sent Packets*** | It shows the statistic count of sent packets on the Ethernet LAN interface. |
| ***Ethernet LAN Received Packets*** | It shows the statistic count of received packets on the Ethernet LAN interface. |
| ***Ethernet WAN Sent Packets*** | It shows the statistic count of sent packets on the Ethernet WAN interface. |

| | |
|---|---|
| ***Ethernet WAN Received Packets*** | It shows the statistic count of received packets on the Ethernet WAN interface. |
| ***Refresh*** | Click the refresh the statistic counters on the screen. |

## 3.3.14 Upgrade Firmware

This page allows you upgrade the Access Point firmware to new version. Please note, do not power off the device during the upload because it may crash the system.



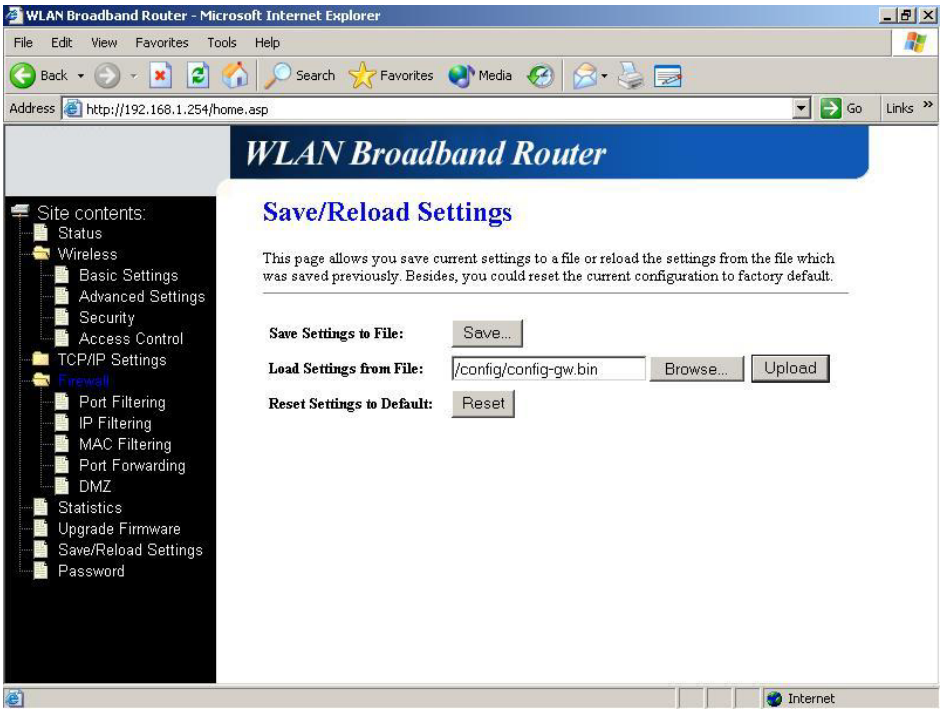

Screenshot – Upgrade Firmware

| Item | Description |
|---|---|
| ***Select File*** | Click the ***Browse*** button to select the new version of web firmware image file. |
| ***Upload*** | Click the ***Upload*** button to update the selected web firmware image to the WLAN Broadband Router. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |

## 3.3.15 Save/ Reload Settings

This page allows you save current settings to a file or reload the settings from the file that was saved previously. Besides, you could reset the current configuration

to factory default.

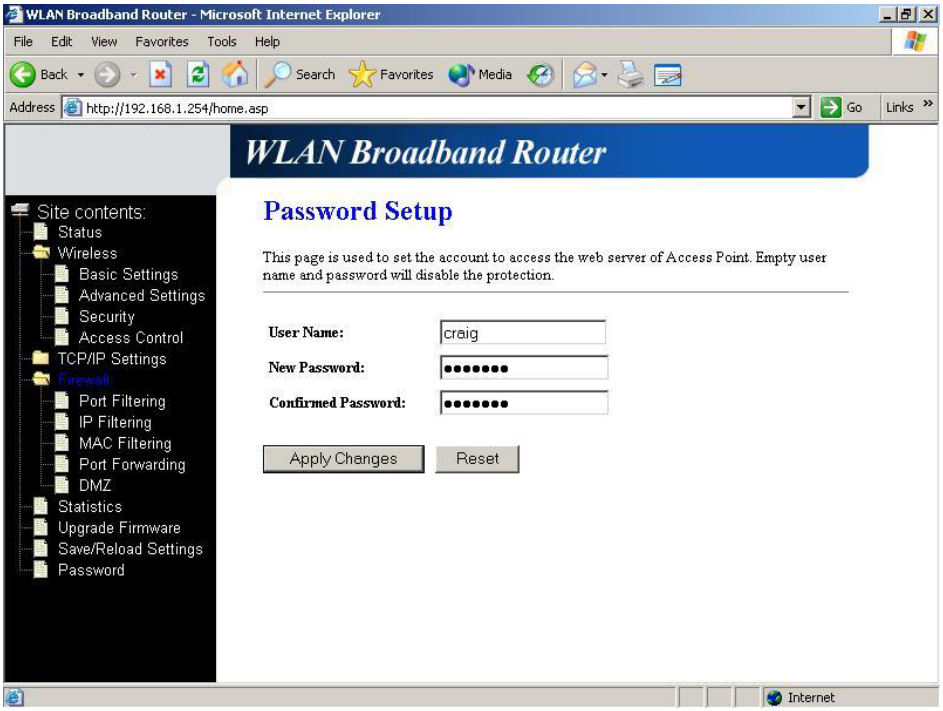



Screenshot – Save/Reload Settings

| Item | Description |
|---|---|
| ***Save Settings to File*** | Click the ***Save*** button to download the configuration parameters to your personal computer. |
| ***Load Settings from File*** | Click the ***Browse*** button to select the configuration files then click the ***Upload*** button to update the selected configuration to the WLAN Broadband Router. |
| ***Reset Settings to Default*** | Click the ***Reset*** button to reset the configuration parameter to factory defaults. |

### 3.3.16 Password Setup

This page is used to set the account to access the web server of Access Point. Empty user name and password will disable the protection.




Screenshot – Password Setup

| Item | Description |
|---|---|
| ***User Name*** | Fill in the user name for web management login control. |
| ***New Password*** | Fill in the password for web management login control. |
| ***Confirmed Password*** | Because the password input is invisible, so please fill in the password again for confirmation purpose. |
| ***Apply Changes*** | Clear the ***User Name*** and ***Password*** fields to empty, means to apply no web management login control. Click the ***Apply Changes*** button to complete the new configuration setting. |
| ***Reset*** | Click the ***Reset*** button to abort change and recover the previous configuration setting. |