

# **Wireless 802.11 Super G AP**

## **User's Manual**

Version 1.1

## **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### **IMPORTANT NOTE:**

#### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**The WX-6800GS ( FCC ID: MXF-A940711G ) is limited in CH1~CH11 for 2.4 GHz by specified firmware controlled in U.S.A.**

## **Copyright Statement**

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**MAY. 2005**

## Contents

1. Introduction .....	4
2. Safety Notification .....	5
3. Install Hardware.....	6
4. How to Configuring the Super G AP.....	8
4.1 Setup – Network Setup .....	9
4.2 Wireless – Wireless Settings.....	10
4.3 Wireless – Wireless Mode.....	11
4.4 Wireless MAC Filter.....	12
4.5 Wireless – Wireless Security.....	13
4.6 Wireless – Advanced Wireless Settings.....	14
4.7 Administration – Management.....	16
4.8 Administration – Reboot AP .....	17
4.9 Administration – Firmware Upgrade.....	18
4.10 Administration – Factory Defaults .....	19
4.11 Status – Local Network.....	20
4.12 Status – Wireless Network .....	21
4.13 Status – Wireless Statistics .....	22
5. Troubleshooting – Q & A .....	23

## 1. Introduction

Thank you for purchasing your Wireless 802.11 Super G AP.

This user guide will assist you with the installation procedure.

The package you have received should contain the following items:

- § Wireless 802.11 Super G AP
- § Quick Installation Guide
- § User Manual CD-ROM
- § Antenna
- § Universal AC/DC Power Adapter
- § RJ-45 Network Cable

Note: if anything is missing, please contact your vendor

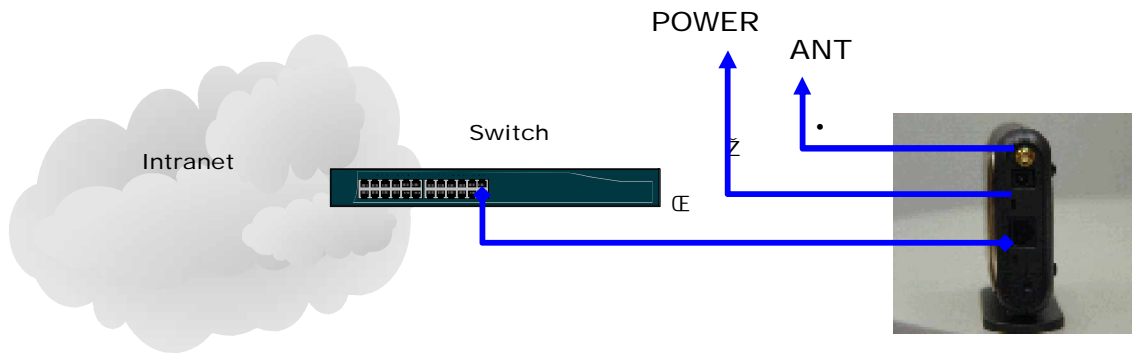
## 2. Safety Notification

Your Wireless Super G AP should be placed in a safe and secure location. To ensure proper operation, please keep the unit away from water and other damaging elements. Please read the user manual thoroughly before you install the device. The device should only be repaired by authorized and qualified personnel.

- § Please do not try to open or repair the device yourself.
- § Do not place the device in a damp or humid location, i.e. a bathroom.
- § The device should be placed in a sheltered and non-slip location within a temperature range of +5 to +40 Celsius degree.
- § Please do not expose the device to direct sunlight or other heat sources. The housing and electronic components may be damaged by direct sunlight or heat sources.

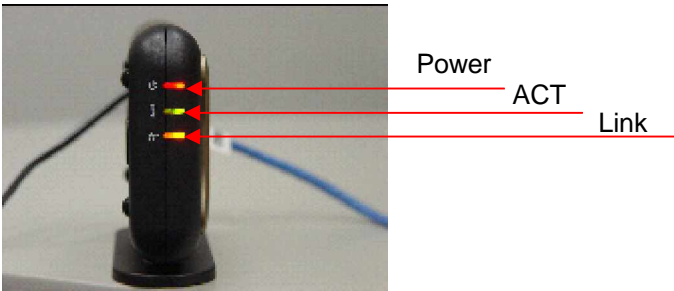
3. Install Hardware

- 1. Connect the RJ-45 network cable from your AP's LAN port to a Hub or Switch or directly to your PC.
- 2. Attach the included antenna to the connector on the back of the AP.
- 3. Connect the included Power Adapter to your AP and to a power outlet; your AP should turn on.



Verify Hardware Installation

Verify the following LED lights are on: ACT, Power, Link.



AP Default Settings

User	
Password	admin
IP Address	192.168.1.250
Subnet Mask	255.255.255.0
RF ESSID	wlan-g
Channel	6
Mode	Mixed
Encryption	Disabled

## Hardware Installation for Connection to Your local network

1. Power off your network devices.
2. Locate an optimum location for the AP. The best place for the AP is usually at the center of your wireless network, with line of sight to all of your wireless devices.
3. Adjust the antennas. Normally, the higher location of your AP will get better the performance.
4. Using a standard Ethernet network cable, connect the AP's Internet port to your broadband modem.
5. Connect your network PCs or Ethernet devices to the AP's LAN ports using standard Ethernet network cabling.
6. Connect the AC power adapter to the AP's Power port. Then connect the other end to an electrical outlet. Only use the power adapter supplied with the AP. Use of a different adapter may cause product damage.
7. The Hardware installation is completed; please refer to the following content for AP configuration.



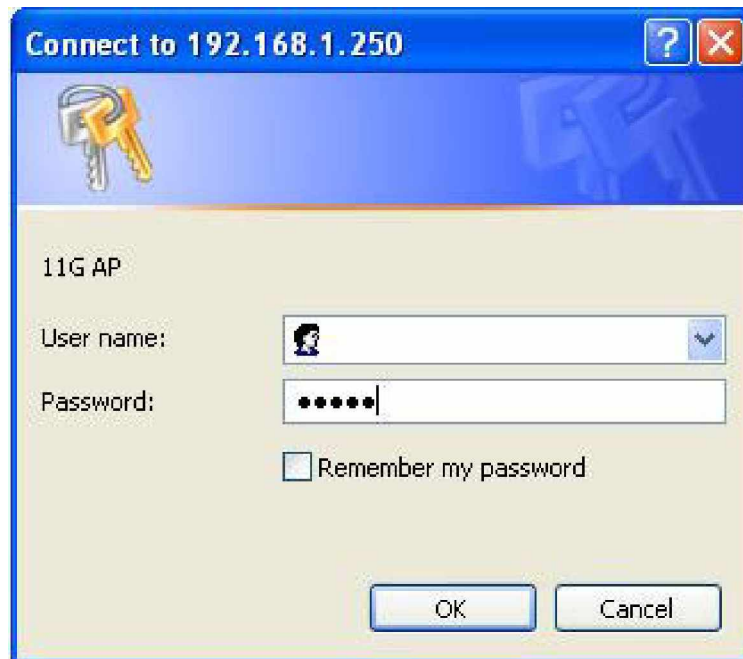
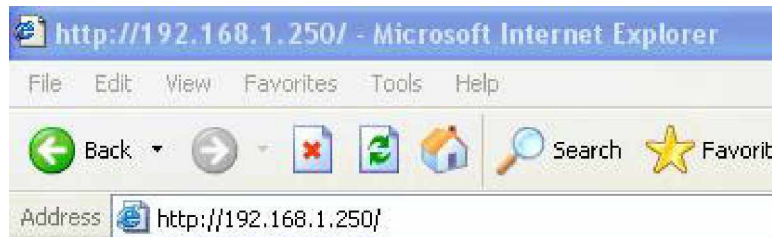
## 4. How to Configuring the Super G AP

### TURN ON POWER SUPPLY

Quick power cycle would caused system corruption. When power on, be careful not to shut down in about 5 seconds, because data is writing to the flash.

### START UP & LOGIN

In order to configure the Wireless Super G AP, you must use web browser and manually input **http://192.168.1.250** into the Address box and press Enter. The Main Page will appear.



In order to configure the Wireless Super G AP, you must input the password into the **Password** box and leave blank on the **User Name** box. The default password is "**admin**".

Once you have logged-in as administrator, it is a good idea to change the administrator password to ensure a secure protection to the Wireless Super G AP. The Security Settings section described later in this manual describes how to change the password.

Once you have input the correct password and logged-in, the screen will change to the Setup page screen.

## 4.1 Setup – Network Setup

### MAKE CORRECT NETWORK SETTINGS OF YOUR COMPUTER

To change the configuration, use Internet Explorer (IE) or Netscape Communicator to connect the WEB management 192.168.1.250.

This following screen contains all of the AP's basic setup functions.

108Mbps  
2.4  
SUPER

Setup Wireless Administration Status

Network Setup

**Network Setup**

**Identity**

Device Name:

Firmware Version: 1.0.0.15

**Local Area Network**

Primary Address Selection

☐ Dynamic IP

☒ Static IP

IP Address:  .  .  .

Subnet Mask:  .  .  .

Default Gateway Address:  .  .  .

Apply Cancel Help

Most users will be able to configure the AP and get it working properly using the default settings.

### Network Setup

#### Identity

Device Name: These fields allow you to input a host name for the AP.

#### Local Area Network

- ◆ **Dynamic:** If your LAN supports DHCP assigning dynamic IP address then please select this type.
- ◆ **Static IP:**
  - This's default connection type. If you are required to use a fixed IP address to connect to the LAN, then select **Static IP**.
  - IP Address:** This's the AP's IP address.
  - Subnet Mask:** This's the AP's Subnet Mask.
  - Default Gateway:** This's the AP's Gateway Address.
  - Those above items can be adjusted that depends on real network architecture if it is necessary.

Change these settings as described here and click the **Apply** button to apply your changes or click **Cancel** to cancel your changes. For additional information, click **Help**.

## 4.2 Wireless – Wireless Settings

### Wireless Settings

**Enable L2 isolation:** Enable this checkbox can isolate each wireless client which associated this AP.

#### Wireless-B/G Settings

If you are using a Wireless-B, Wireless-G, or Wireless B+G network, then the following settings that you may need to configure.

**Mode:** This option can control B/G band on/off.

**Radio Policy:** From this drop-down menu, you can select the wireless standards running on your network.

If you have both 802.11g and 802.11b devices in your network, keep the default setting ---**b/g mixed**.

If you have only 802.11g devices, select **802.11g Only**.

If you have only 802.11b devices, select **802.11b Only**.

If you want to run a high-speed transmission, select **802.11g Turbo**.

**Network Name (SSID):** The service set identifier ( SSID ) or network name. It is case sensitive and must not exceed 32 characters, which may be any keyboard character. You shall have selected the same SSID for all the APs that will be communicating with mobile wireless stations.

**Broadcast SSID:** When wireless clients survey the local area for wireless networks to associate with, they will detect the SSID broadcast by the AP. To broadcast the AP's SSID, keep the defaults setting, **Enabled**. If you do not want to broadcast the AP's SSID, then select **Disabled**.

**Channel:** Select the appropriate channel from the list provided to correspond with your network settings. You shall assign a different channel for each AP to avoid signal interference.

108Mbps  
2.4  
SUPER

Setup Wireless Administration Status

Wireless Settings Wireless Mode Wireless MAC Filter Wireless Security Advanced Wireless Settings

**Wireless Settings**

In this page you can configure 802.11g wireless network settings.

Enable L2 isolation: ☒

Mode: ☐ Disable ☒ Enable

Radio Policy: 802.11g-Only

SSID: gggg

Broadcast SSID: ☒

Channel: 2437MHz (Channel 6)

Apply Cancel Help

Change these settings as described here and click the **Apply** button to apply your changes or click **Cancel** button to cancel your changes. For additional information, click **Help**.

## 4.3 Wireless – Wireless Mode

There are 3 operating modes in each B/G band, using the following setting can perform each function.

### Wireless-B/G Settings

**Access Point:** This mode provides access for wireless stations to wired LANs and from wired LANs to wireless stations. This mode is not only performing AP function but also support WDS connection. Input remote AP's MAC address in below 4 fields can generate 4 WDS connections with this AP.

**Repeater:** This mode can be a repeater in your WLAN architecture. Input a SSID that you want to associate in right field.

**Wireless Client:** This mode can be a client as general WLAN card in your WLAN architecture. Input a SSID that you want to associate in right field. Using one computer with Ethernet interface to connect this device, then the computer will has capacity of WLAN association.

The screenshot displays the 'Wireless Mode Settings' page. At the top, there's a navigation bar with tabs: Setup, Wireless, Administration, and Status. Below this, there's a sub-navigation bar with links: Wireless Settings, Wireless Mode (highlighted), Wireless MAC Filter, Wireless Security, and Advanced Wireless Settings. The main content area is titled 'Wireless Mode Settings' and includes a description: 'In this page you can configure 802.11g wireless network mode settings.' Below this, there's a section for 'Wireless-B/G Settings' with three radio buttons: Access Point (selected), Repeater, and Wireless Client. The 'Access Point' section includes a 'WDS links - Remote APs' MAC Address:' label and four input fields, each containing '00:00:00:00:00:00'. There's a 'Site Survey' button below these fields. The 'Repeater' and 'Wireless Client' sections are collapsed. The 'Wireless Client' section shows 'Remote AP's SSID:' with the value 'gggg' and 'Remote AP's MAC Address:' which is empty. A note for 'Wireless Security Settings' states: 'only Support "WEP with Pre-shared key" encryption for repeater/client mode. Configure it at [Wireless Security](#) page'. At the bottom, there are 'Apply', 'Cancel', and 'Help' buttons.

Change these settings as described here and click the **Apply** button to apply your changes or click **Cancel** button to cancel your changes. For additional information, click **Help**.

## 4.4 Wireless MAC Filter

This function allows administrator to have access control by enter MAC address of wireless devices which transmitting within your wireless network.

### Wireless-B/G Setting

**Access Control List Mode:** This drop-down menu can set Enable/Disable the ACL function.

**Default Access:** Select the default policy for this ACL rule.

**Specific Clients list:** Except the default rule, administrator can also create one policy for special client via **Add ACL**.

**108Mbps 2.4 SUPER**

**Setup** **Wireless** **Administration** **Status**

Wireless Settings Wireless Mode **Wireless MAC Filter** Wireless Security Advanced Wireless Settings

**Access Control List (ACL)** Grant or deny access to individual clients.

**Wireless-B/G Settings**

**Access Control List Mode:** Disable

Default Access:  
☒ Accept ☐ Reject

Specific Clients

MAC Address	ACL Type
-------------	----------

Add ACL

Apply Cancel Help

Change these settings as described here and click the **Apply** button to apply your changes or click **Cancel** button to cancel your changes. For additional information, click **Help**.

## 4.5 Wireless – Wireless Security

The Wireless Security settings configure the security of your wireless network. There are three wireless security mode options supported by the AP: WEP (Wired Equivalent Privacy), WEP RADIUS, WPA Pre-Shared Key, WPA RADIUS.

### Wireless Security

The security options are the same and independent for your Wireless-G networks. You can use different wireless security methods for your networks; however, all devices must use the same security method and settings.

#### Security Mode:

**WEP:** WEP is a basic encryption method, select a level of WEP encryption, **40/64-bit, 128-bit or 152bit**. If you want to use a Passphrase, then enter it in the *Passphrase* field and click the **Generate** button. If you want to enter the WEP key manually, then enter it in the *WEP Key 1-4* field(s). To indicate which WEP key to use, select the appropriate *TX* Key number.

#### WPA only:

**WPA Pre-Shared Key:** This security mode offers two encryption methods, TKIP and AES, with dynamic encryption keys. Select the type of encryption method you want to use, **TKIP** or **AES**. Enter the Passphrase, which can have 8 to 63 characters. Then enter the Key Renewal period, which instructs the AP how often it should change the encryption keys.

**WPA RADIUS:** This security mode must work with a RADIUS server using EAP –TLS or PEAP for user authentication.

To use WPA RADIUS, select the type of encryption method you want to use, **TKIP** or **AES**.

Enter the RADIUS server's IP address and port number (default is 1812), along with the authentication shared key by the AP and the server.

Enter the Key Renewal period, which instructs the AP how often it should change the encryption keys.

The screenshot shows a web-based configuration interface for a wireless network. The top navigation bar includes tabs for 'Setup', 'Wireless', 'Administration', and 'Status'. Under the 'Wireless' tab, there are links for 'Wireless Settings', 'Wireless Mode', 'Wireless MAC Filter', 'Wireless Security', and 'Advanced Wireless Settings'. The 'Wireless Security' link is active. The main content area is titled 'Wireless Security Settings' and 'Wireless-B/G Settings'. The 'Security Mode' is currently set to 'Disable' in a dropdown menu. At the bottom of the page, there are three buttons: 'Apply', 'Cancel', and 'Help'.

Change these settings as described here and click the **Apply** button to apply your changes or click **Cancel** button to cancel your changes. For additional information, click **Help**.



## 4.6 Wireless – Advanced Wireless Settings

This section provides AP's advanced wireless settings. These settings should be adjusted carefully. Any improper settings will affect the AP's wireless performance.

### Advanced Wireless

#### Wireless-B/G Settings

##### Authentication Type:

**Open System:** This is default setting, those wireless clients that NOT use a WEP key for authentication.

**Shared Key:** This option means the wireless clients use a WEP key for authentication. Shared Key is only available if the WEP option is implemented.

**Transmission Rate:** The data transmission rate should be set depending on the speed of your wireless network. You can select a proper transmission speeds to fit your wireless clients requirement, or you can select **Auto (Default)** to have the AP automatically adjust one the fastest and suitable data rate to fit network status at the time. Usually this function can be named Auto-Fallback feature. Auto-Fallback will treat one best connection rate between the AP and a wireless client. The default value is **Auto (Default)**.

**Transmission Power:** This option provides the AP's RFoutput power adjustment. To minimize the possibility of eavesdropping by unauthorized wireless users, suggest to decrease the transmission power with a needed by your wireless environment. By drop down menu, you can select the appropriate level, **Full (Default)**, **Half**, **Quarter**, **Eighth**, or **Min**. The default is **Full (Default)**.

**Antenna Select:** This option provides antenna setting for which one you would like to set as TX/RX antenna. Using Diversity setting is proposed.

**ACK Timeout:** The Acknowledgement Timeout means from remote to local data transmission, one parameter to control both acknowledging action to guaranty those packets have already be received. Usually, for short distance, keep default setting is proposed. If there is long distance application, have minor increased with this parameter will be proposed.

**Beacon Interval:** The Beacon Interval value indicates the frequency interval of the beacon. Enter a value between 20 and 1000. A beacon is a packet broadcast by the AP to synchronize the wireless network. The default value is **100**.

**DTIM Interval:** This value indicates the interval of the Delivery Traffic Indication Message (DTIM). A DTIM field is a countdown field informing clients of the next window for listening to broadcast and multicast messages. When the AP has buffered broadcast or multicast messages for associated clients, it sends the next DTIM with a DTIM Interval value. Its clients hear the beacons and awaken to receive the broadcast and multicast messages. The default value is **1**.

**Fragmentation Threshold:** This value specifies the maximum size for a packet before data is fragmented into multiple packets. If you experience a high packet error rate, you may slightly increase the Fragmentation Threshold. Setting the Fragmentation Threshold too low may result in poor network performance. Only minor reduction of the default value is recommended. In most cases, it should remain at its default value of **2346**.

**RTS /CTS Threshold:** Using this setting can regulate your wireless network if you experience any inconsistent data flow situation, only by minor adjustment of the default value, the default value **2346** is recommended. The RTS/CTS mechanism will not be enabled if your wireless network packet less than RTS threshold value. The AP sends Request to Send (RTS) frames to a particular receiving station and negotiates the sending of a data frame. After receiving an RTS, the wireless station responds with a Clear to Send (CTS) frame to acknowledge the right to begin transmission. The RTS Threshold value should keep at its default value of **2346**.

**Short Preamble:** This setting is for 11b clients, usually set **short** value will enhance your WLAN performance for 11b client, however the 11b clients must have same feature as well.

**Allow 2.4GHz 54Mbps Station Only:** In order to keep high performance for this WLAN, set this option **Enable** will only allow stations with 54Mbps data rate to associate this AP.

**RTS/CTS Protection Mode:** CTS (Clear-To-Send) Protection Mode should be set to **Auto (Default)**. The AP will automatically use CTS Protection Mode when the Wireless-G products are experiencing severe problems and are not able to transmit to the AP in an environment with heavy 802.11b traffic. This function boosts the AP's ability to catch all Wireless-G transmissions but will severely decrease the performance. If you do not want to use CTS Protection

Mode at all, select **Disabled**.

**RTS/CTS Protection Rate:** This setting is set the rate of RTS/CTS while protection mode is enabled.

**RTS/CTS Protection Type:** This protection mode provides 2 types, one is RTS/CTS and other is CTS only. Generally, using CTS only is able to fulfill most of environment.

**Short Slot Time:** Disable or Enable the Short Slot Time.

The screenshot shows the 'Advanced Wireless' configuration page for a 108Mbps 2.4 SUPER wireless router. The page has a blue header with the router's logo and navigation tabs: Setup, Wireless, Administration, and Status. Below the tabs are sub-tabs: Wireless Settings, Wireless Mode, Wireless MAC Filter, Wireless Security, and Advanced Wireless Settings. The 'Advanced Wireless' sub-tab is selected, showing the 'Wireless-B/G Settings' section. The settings are as follows:

Setting	Value	Default / Range
Authentication Type:	Open System (Default)	
Transmission Rate:	best	
Transmission Power:	Full	
Antenna Select:	Diversity	
ACK Timeout:	48	(Default: 48, Range: 0 ~ 372)
Beacon Interval:	100	(Default: 100 Milliseconds, Range: 20 ~ 1000)
DTIM Interval:	1	(Default: 1, Range: 1 ~ 16384)
Fragmentation Threshold:	2346	(Default: 2346, Range: 256 ~ 2346)
RTS/CTS Threshold:	2346	(Default: 2346, Range: 0 ~ 2346)
Short Preamble:	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable
Allow 2.4GHz 54Mbps Stations Only:	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable
RTS/CTS Protection Mode:	Auto	
RTS/CTS Protection Rate:	11 Mbps	
RTS/CTS Protection Type:	<input checked="" type="radio"/> CTS-only	<input type="radio"/> RTS-CTS
Short Slot Time:	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable

At the bottom of the page are three buttons: Apply, Cancel, and Help.

Change these settings as described here and click the **Apply** button to apply your changes or click **Cancel** to cancel your changes. For additional information, click **Help**.



## 4.7 Administration – Management

This section allows the network's administrator to manage specific AP functions for access and security.

### Management

**UserName:** The login username, default value is blank(null).

**Password:** The login password, default value is **admin**.

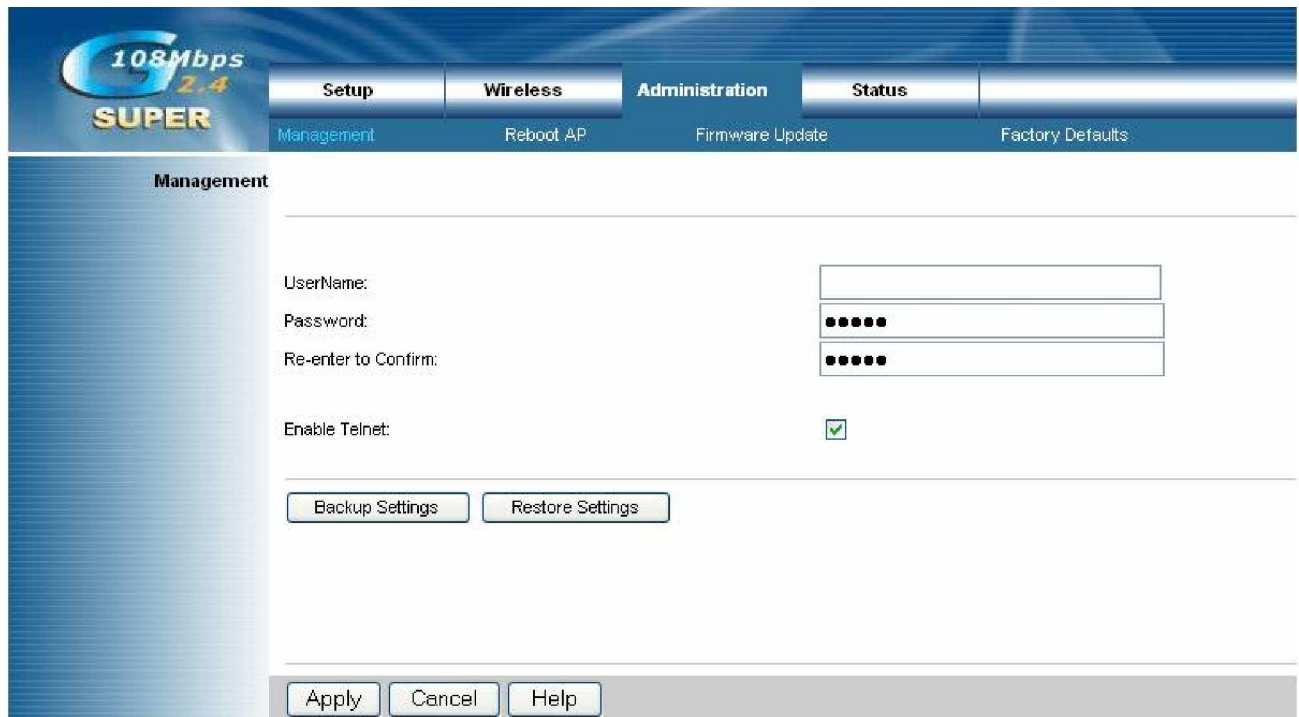
**Re-enter to Confirm:** You can change the AP's password from here. Enter a new AP password and then type it again in the Re-enter to Confirm field to confirm.

**Enable Telnet:** Enable this checkbox can to perform Telnet configuration.

### Backup and Restore

**Backup Settings:** To back up the AP's configuration, click this button and follow the on-screen instructions.

**Restore Settings:** To restore the AP's configuration, click this button and follow the on-screen instructions.  
(You must have previously backed up the AP's configuration.)

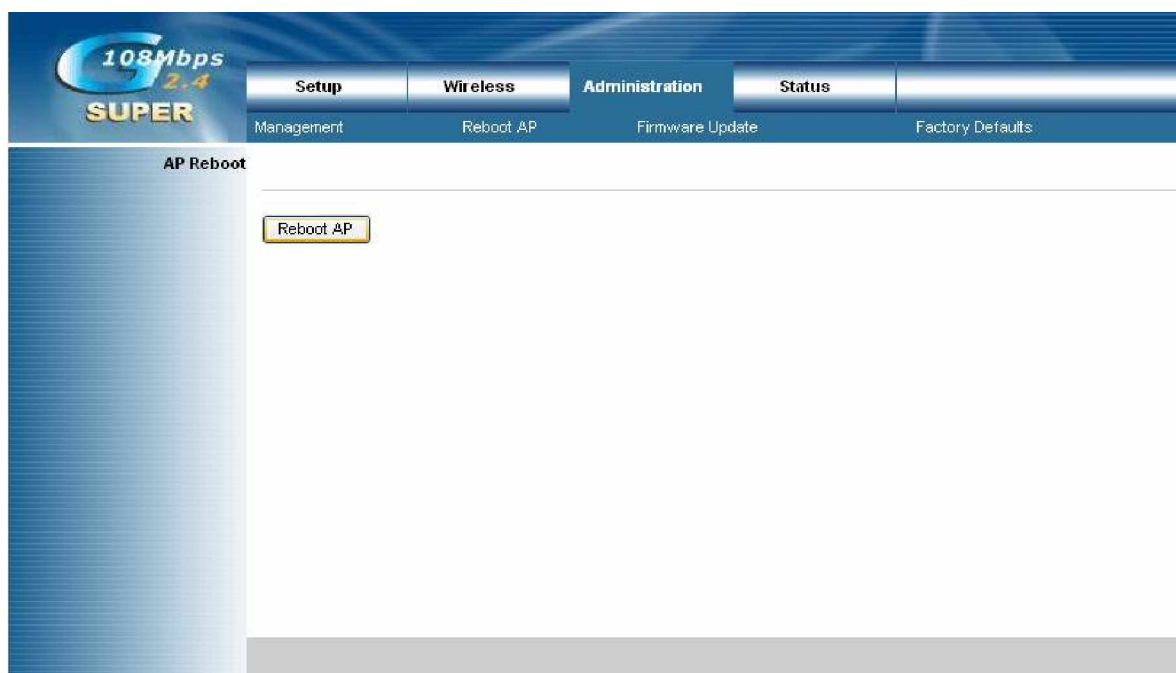


The screenshot shows the 'Management' section of a web interface for a 108Mbps 2.4 SUPER wireless access point. The interface has a blue header with a logo and navigation tabs: 'Setup', 'Wireless', 'Administration' (selected), and 'Status'. Below the tabs are links: 'Management', 'Reboot AP', 'Firmware Update', and 'Factory Defaults'. The 'Management' section contains fields for 'UserName:', 'Password:', and 'Re-enter to Confirm:', each with a text input box. The 'Password' and 'Re-enter to Confirm' boxes show masked characters (dots). Below these is the 'Enable Telnet:' checkbox, which is checked. At the bottom of the form are two buttons: 'Backup Settings' and 'Restore Settings'. At the very bottom of the interface are three buttons: 'Apply', 'Cancel', and 'Help'.

Change these settings as described here and click the **Apply** button to apply your changes or click **Cancel** to cancel your changes. For additional information, click **Help**.

## 4.8 Administration – Reboot AP

**AP Reboot:** Click this button to initialize this device.



## 4.9 Administration – Firmware Upgrade

This Firmware Upgrade screen allows you to upgrade the AP's firmware. Do not upgrade the firmware unless you are experiencing problems with the AP or the new firmware has a feature you want to use.

### Firmware Upgrade

**Please select a file to upgrade:** In the field provided, enter the name of the extracted firmware upgrade file, or click the **Browse** button to find this file.

**Start to Upgrade:** After you have selected the appropriate file, click this button for upgrade.

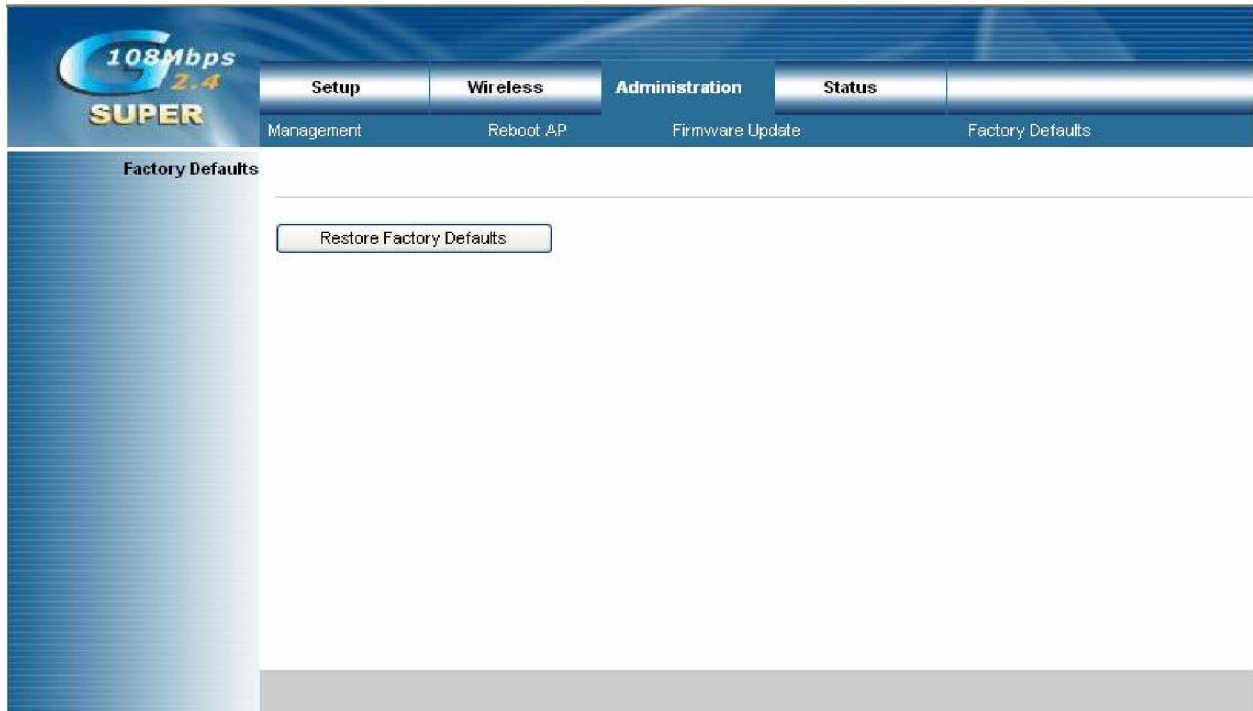
The screenshot shows a web interface for a 108Mbps 2.4 SUPER router. The top navigation bar includes 'Setup', 'Wireless', 'Administration', and 'Status'. Under 'Administration', there are links for 'Management', 'Reboot AP', 'Firmware Update', and 'Factory Defaults'. The 'Firmware Update' section is active, showing a text input field for 'Please Select a File to Upgrade:', a 'Browse...' button, and a 'Start to Upgrade' button. Below this is a progress bar showing 0% completion. A warning message states: 'Warning: Upgrading firmware may take a few minutes, please don't turn off the power or press the reset button. Upgrade must NOT be interrupted !!'. At the bottom, there is a 'Cancel' button.

## 4.10 Administration – Factory Defaults

This Factory Defaults allows you to restore the AP's configuration to its factory default settings.

### Factory Defaults

**Restore Factory Defaults:** Click this button to reset all configuration settings to their default values. Any settings you have saved will be lost when the default settings are restored.



## 4.11 Status – Local Network

The Local Network screen on the Status Tab displays the status of your network.

### Identity

**Device Name:** The device name for user identification.

**Firmware Version:** The current AP firmware version display here.

### Local Area Network

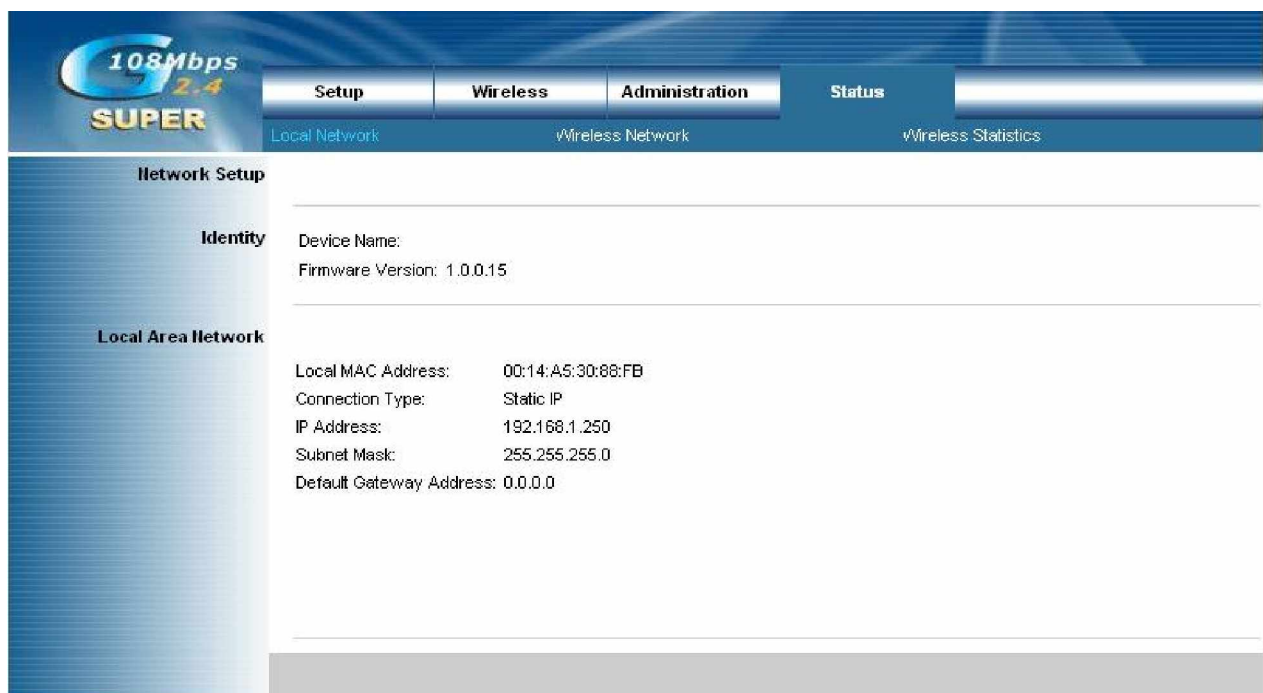
**Local MAC Address:** This is the AP's local physical MAC Address.

**Connection Type:** The current IP address type --- Dynamic or Static.

**IP Address:** The current AP's IP address.

**Subnet Mask:** This is AP's local subnet mask.

**Default Gateway:** This is the local network gateway IP.



The screenshot shows a web interface for a network device. At the top, there is a navigation bar with tabs: Setup, Wireless, Administration, and Status. Below the tabs, there are sub-tabs: Local Network, Wireless Network, and Wireless Statistics. The main content area is titled "Network Setup" and contains two sections: "Identity" and "Local Area Network".

Identity	
Device Name:	
Firmware Version:	1.0.0.15

Local Area Network	
Local MAC Address:	00:14:A5:30:88:FB
Connection Type:	Static IP
IP Address:	192.168.1.250
Subnet Mask:	255.255.255.0
Default Gateway Address:	0.0.0.0

## 4.12 Status – Wireless Network

The Wireless Network screen on the Status Tab displays the information of your Wireless networks.

### Wireless-B/G Settings

**MAC Address:** This is the AP's Wireless-G band MAC Address.

**Mode:** This mode is displaying the current status of Wireless-B/G band network. **Enabled** means the B/G band network is **ON**.

**Radio Policy:** This displays the Wireless-G band network mode.

**SSID:** This displays the AP's current Wireless-B/G SSID string.

**Broadcast SSID:** This displays the AP's SSID Broadcast status.

**Channel:** The current G band channel you are using.

The screenshot shows a web interface for a wireless network. At the top, there is a logo for '108Mbps 2.4 SUPER'. Below the logo, there are four tabs: 'Setup', 'Wireless', 'Administration', and 'Status'. The 'Status' tab is selected. Under the 'Status' tab, there are three sub-tabs: 'Local Network', 'Wireless Network', and 'Wireless Statistics'. The 'Wireless Network' sub-tab is selected. The main content area displays the following information:

**Wireless Settings**

802.11g wireless network settings are shown as the following.

L2 isolation: Enable

**Wireless-B/G Settings**

MAC Address: 00:14:A5:30:88:FA  
Mode: Enable  
Radio Policy: 802.11g-Only  
SSID: gggg  
Broadcast SSID: Enable  
Channel: 2437MHz (Channel 6)

### 4.13 Status – Wireless Statistics

**Wireless Statistics:** This displays the AP and stations that are currently part of the BSS.

108Mbps  
2.4  
SUPER

SetupWirelessAdministrationStatus

Local NetworkWireless NetworkWireless Statistics

Wireless Statistics

Wireless-B/G

This shows the Access Point and the stations that are currently part of the BSS.

2.4GHz Statistics

ID	MAC Address	State
AP	00:14:A5:30:88:FA	up

## 5. Troubleshooting – Q & A

### 1. I'm trying to log on the AP's Web configuration page, but I do not see the login screen.

#### Answer:

1. Please make sure the IP address that you input on address field of IE browser is correct.
2. Make sure the physical layer connection is established. If you are using wired to connect this AP, check the relevant LAN LED whether is lit or not.
3. On Dos Prompt screen, using "ping" command to probe this AP, check if you got reply from it.  
Command: ping < Destination IP address >
4. If you have any TCP/IP setting problem, please refer to the Quick Installation Guide.

### 2. I forgot my password, how to log on this AP for configuration?

#### Answer:

1. Reset the AP to factory default by pressing the Reset button for 10 seconds then releasing it.
2. Log on the AP's web management by <http://192.168.1.250>  
Leave username blank and enter the default password **admin**.

### 3. How to set the AP to factory default setting.

#### Answer:

1. Reset the AP to factory default by pressing the Reset button for 10 seconds then releasing it.
2. After release the Reset button, the AP will get back all setting to factory default and reboot system.
3. While the reboot is complete, log on the AP's web management by default IP <http://192.168.1.250>  
Leave username blank and enter the default password **admin**.

### 4. My AP will not turn on. No LED's light up.

#### Answer:

Usually it is caused by the power is not connected.  
Please double check the power adapter if it connected to your AP and the other side is plugged into the power outlet.  
If it still has no power, please contact your reseller.

### 5. I can't access the AP from a wireless client.

#### Answer:

Generally to make the wireless client unable to access AP with following possible issues:

1. Settings are not the same among each wireless adapter.
2. Out of range.
3. IP Address is not set correctly.

#### Resolution:

Make sure that mode, SSID, Channel and encryption settings are set the same on each wireless adapter. Make sure that your computer is within range and free from any strong electrical devices that may cause interference.

### 6. What devices cause interference?

#### Answer:

The AP is operating in the unlicensed 2.4 GHz band. Other devices operates in this frequency range that may cause interference include microwave ovens and 2.4 GHz portable phones. PCs or analog cellular phones do not operate at 2.4 GHz and do not cause interference. Proper placement of access points usually eliminates interference problems created by other 2.4 GHz devices.