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for your IP network

Quick Installation Guide

EAP700 V1.10

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Preface

The 4ipnet EAP700 Wall Jack Access Point is an in-the-wall Wi-Fi IEEE 802.11b/g AP, designed to blend with any office, home interior architecture or furnishings effortlessly.

EAP700 is an easy-to-install and cost-effective solution for most of indoor wireless deployments, including hotel rooms, apartments, offices, classrooms, libraries, private homes, public kiosks, etc. When working under one of 4ipnet Controllers, the combined network turns into an intelligent building solution, a managed internet service, or a Wi-Fi hotspot network of various scales.

This Quick Installation Guide provides instructions for getting started with EAP700.

Package Contents

1. EAP700 x 1
2. Quick Installation Guide (QIG) x 1
3. CD-ROM x 1
4. LED Sticker x 2

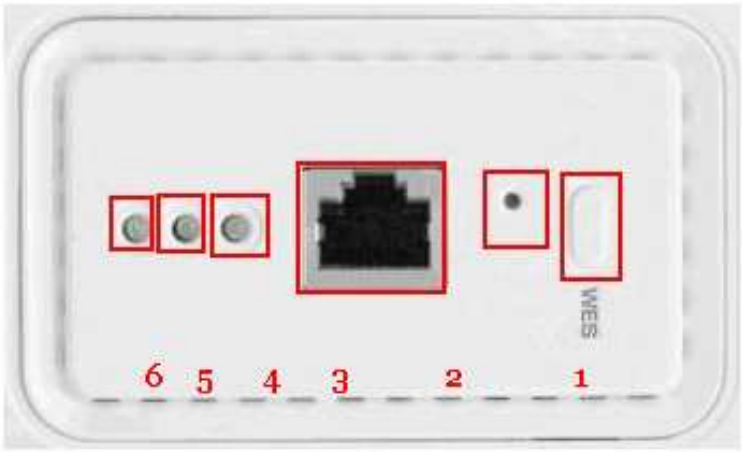
It is recommended to keep the original packing material for possible future shipment when repair or maintenance is required. Any returned product should be packed in its original packaging to prevent damage during delivery.

Optional accessories to be purchased separately:

1. AC-DC Adaptor
2. U-shaped Wall & Ceiling Mounting kit

System Overview

Front Panel



①. WES Button

- Press for 3 seconds to initiate Master AP's WDS connection.
- Press and release immediately to initiate Slave AP's WDS connection.

②. RESET Button

- Pressing the button more than 3 seconds will reset the system to default settings.

③. LAN Port

- The LAN port is for connection with wired network.

LED status indication:

④. LAN LED

- OFF indicates no connection; ON indicates connection; BLINKING indicates transmitting data.

⑤. WLAN LED

- Green LED ON indicates system ready.

⑥. Power LED

- Green LED On indicates power on; OFF indicates power off.

In-Wall Panel

①. POWER SOCKET

- Attach the power adapter here.

②. PoE (LAN) Port

- The LAN port is for connection with wired networks or PoE Switch.

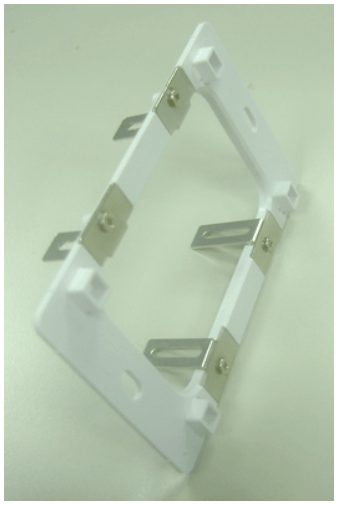
Hardware Installation

Please follow the steps mentioned below to install the hardware of EAP700:

Before the installation, assemble the following parts accordingly for later in-wall placement.

①. Unpack the package and remove the cover and the frame.

②. Lock the screw correctly to the frame.

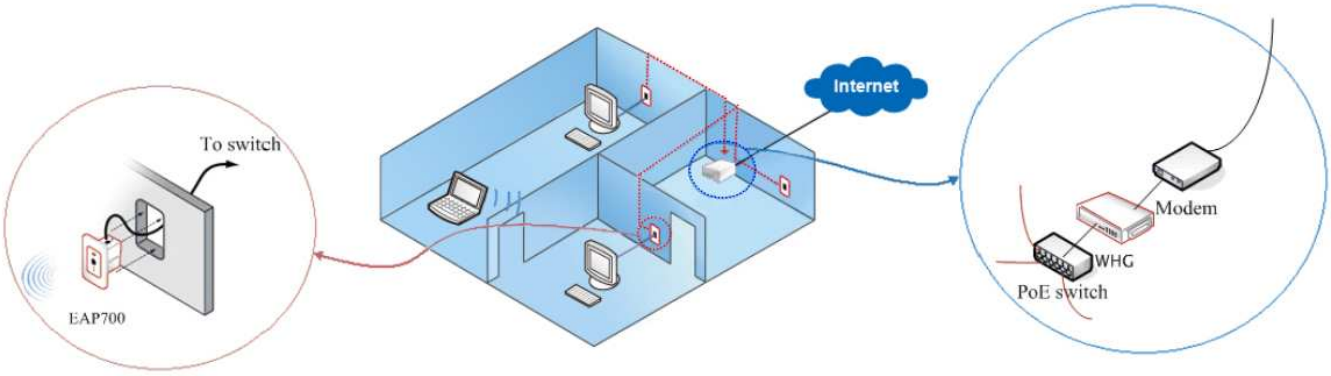


③. Slide the frame from the two sides to the front until locked to the fixed point.

④. Cover it with faceplate and push the frame to the end.

⑤. Optional U-shaped mounting kit: Slide the frame from the two sides to the front until locked to the fixed point, and adjust the angel of set to the wall.

Installation Steps:



1. **Place the EAP700 at proper location.**

The best location for EAP700 is usually at the center of your wireless network.

2. **Connect EAP700 to your network device.**

Connect one end of the Ethernet cable to the LAN port of EAP700 and the other end of the cable to a switch, a router or a hub. EAP700 is then connected to your existing wired LAN network.

3. **There are two ways to supply power over to EAP700.**

(1) Connect the power adapter to the EAP700 power socket.

(2) EAP700 PoE (LAN) port is capable of transmitting DC currents via its PoE (LAN) port. Connect an IEEE 802.3af-compliant PSE device, e.g. a PoE-switch, to the PoE (LAN) port of EAP700 with the Ethernet cable.

Now, the Hardware Installation is completed.

Getting Started

4ipnet EAP700 supports web-based configuration. Upon the completion of hardware installation, EAP700 can be configured through a PC by using its web browser such as Mozilla Firefox 2.0 or Internet Explorer version 6.0 and the above.

The default values of LAN IP address and subnet mask of EAP700 are:

IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

- To access the web management interface, connect the administrator PC to the LAN port of EAP700 via an Ethernet cable. Then, set a static IP address on the same subnet mask as EAP700 in TCP/IP of your PC, such as the following example (Please note that the IP address used shall not be duplicated with the IP address of other devices within the same network.). In the Local Area Connection Properties, selecting the Internet Protocol (TCP/IP) Properties, use the following IP address as the default setting:

  IP Address: 192.168.1.100

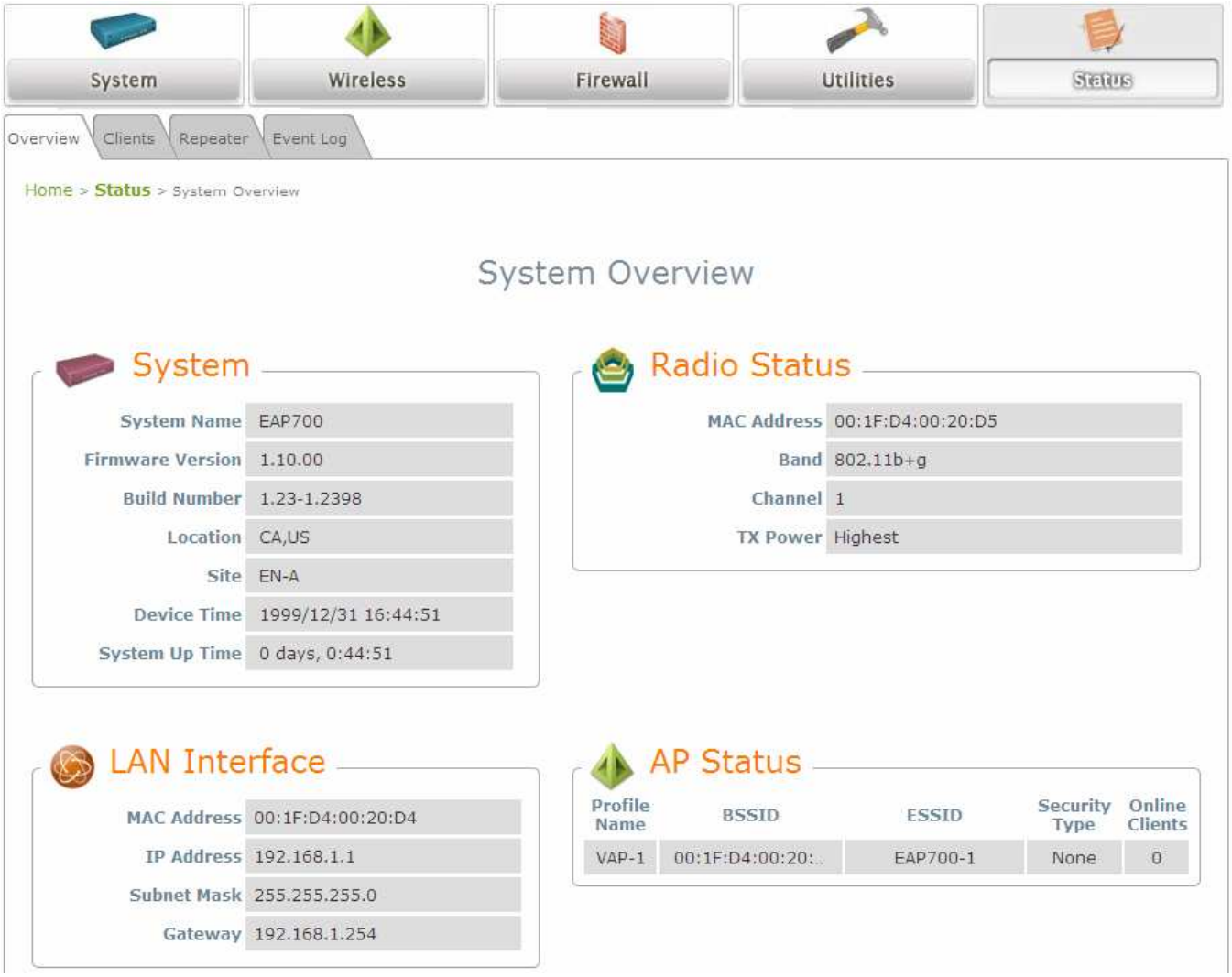
  Subnet Mask: 255.255.255.0

- Launch the web browser on your PC by entering the IP address of EAP700 (**http://192.168.1.1**) at the address field, and then press ***Enter***. The following Administrator Login Page will then appear. Enter **"admin"** for both the **Username** and **Password** fields, and then click ***Login*** to log in.

  Username: **"admin"**

  Password: **"admin"**

- After a successful login into EAP700, a **System Overview** page of web management interface will appear.



- To logout, simply click on the ***Logout*** button at the upper right corner of the interface to return to the Administrator Login Page.

Common Settings

Basic Configuration

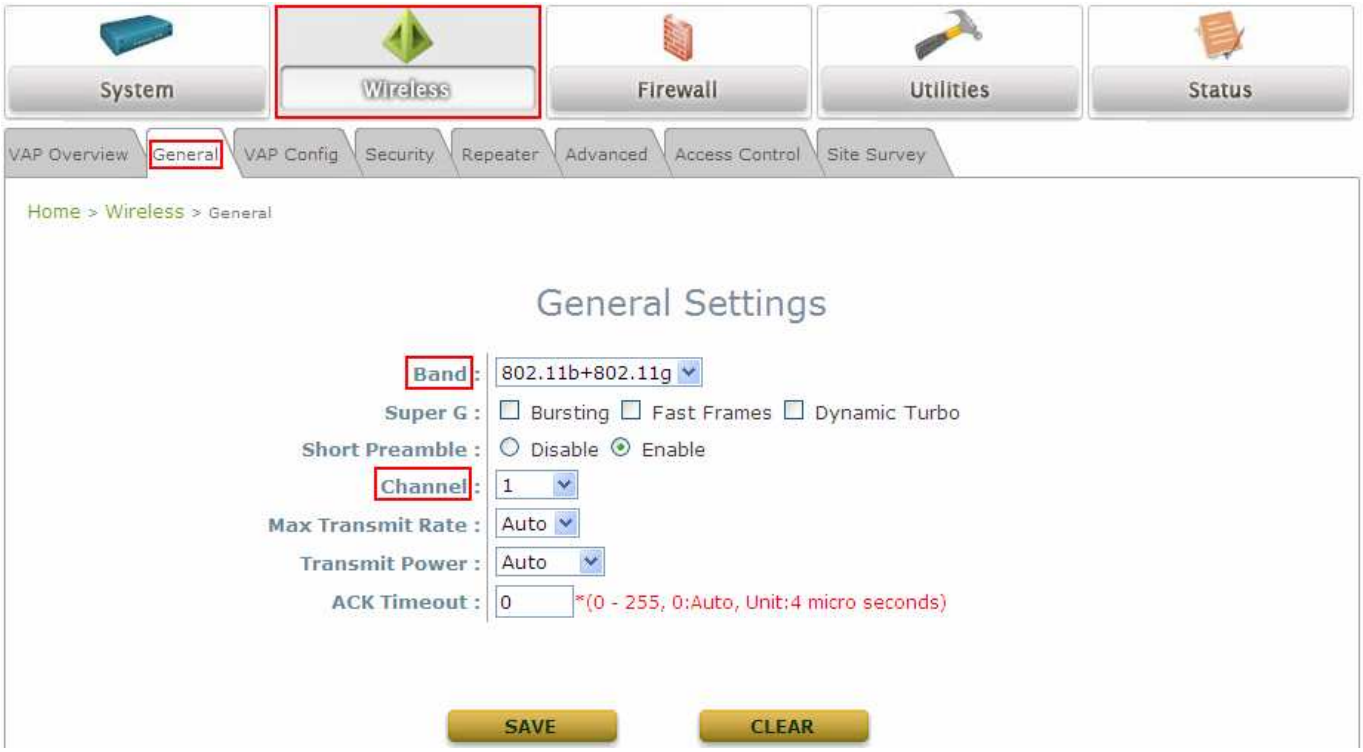
Step 1. Change Administrator's Password:

- Click on the **Utilities** button, and then select the **Change Password** tab.
- Enter a new password with length up to 32 characters twice, and then click ***SAVE*** to save the new password.

Note:

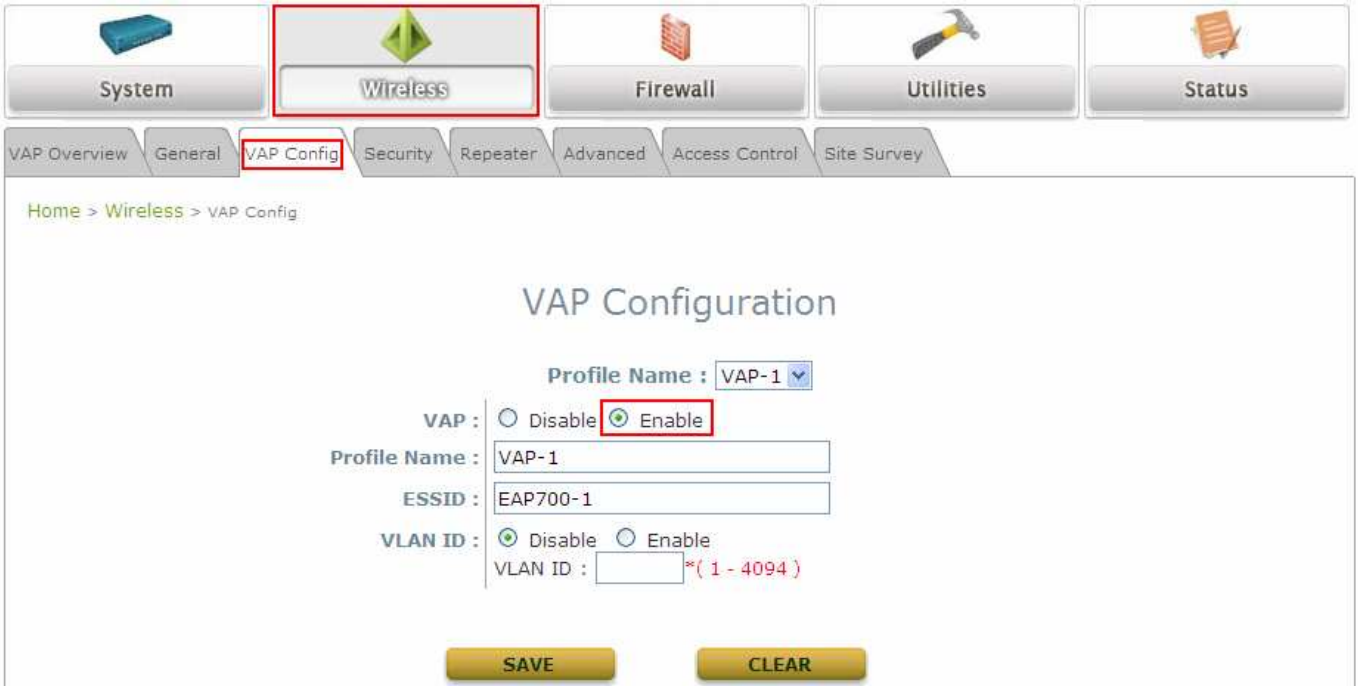
On each configuration page, you may
Click ***SAVE*** to save the changes, but you must reboot the system upon the completion of all configuration settings for the changes to take effect. When clicking ***SAVE***, the following message will appear: **"Some modifications have been saved and will take effect after Reboot."**

Step 2. Configure Wireless Settings



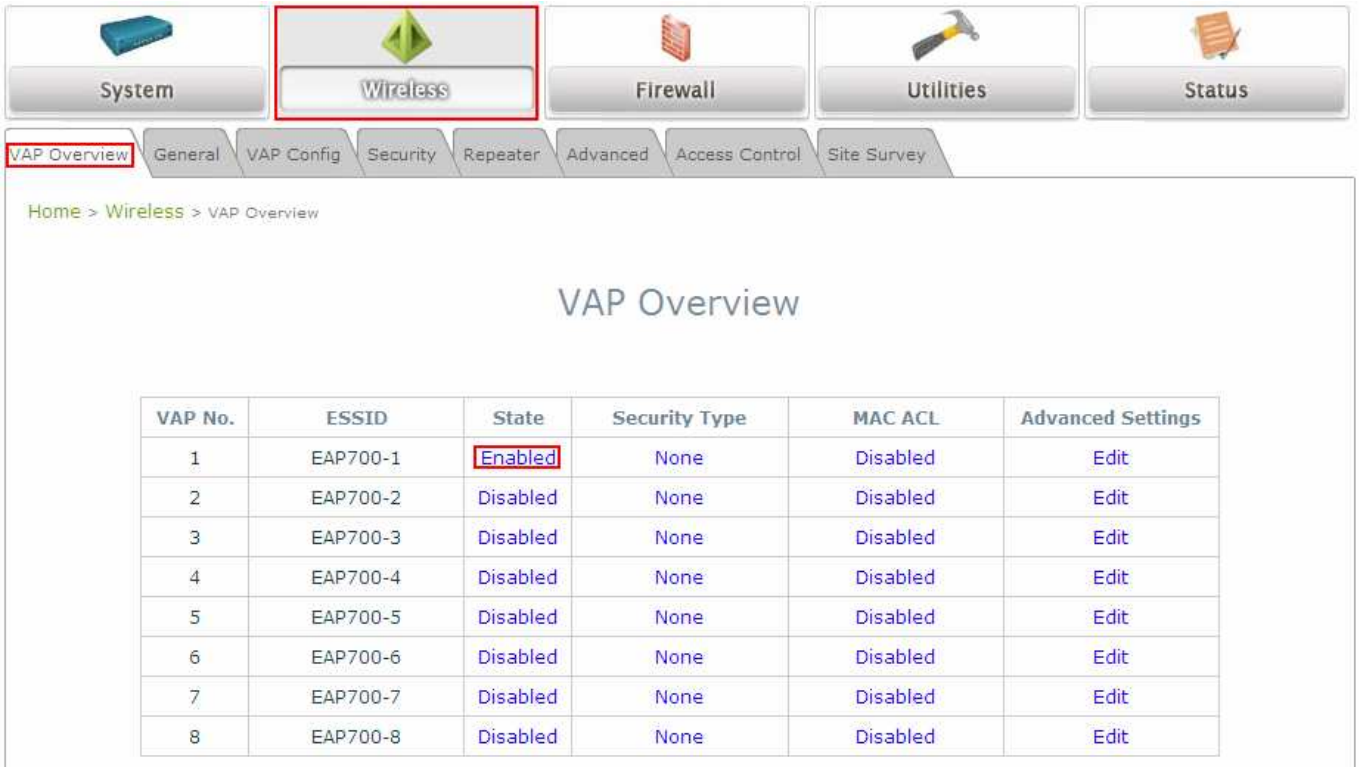
- Click on the **Wireless** button, and then select the **General** tab.
- Determine the **Band** and **Channel** settings:
  Select your preferred **Band** and **Channel** for your wireless connection. For example, select **802.11b+802.11g** for the band and **Auto** for the channel.

Step 3. Configure VAP (Virtual Access Point) Profile Settings



EAP700 Supports up to 8 virtual APs. By default, only 1 VAP is enabled.

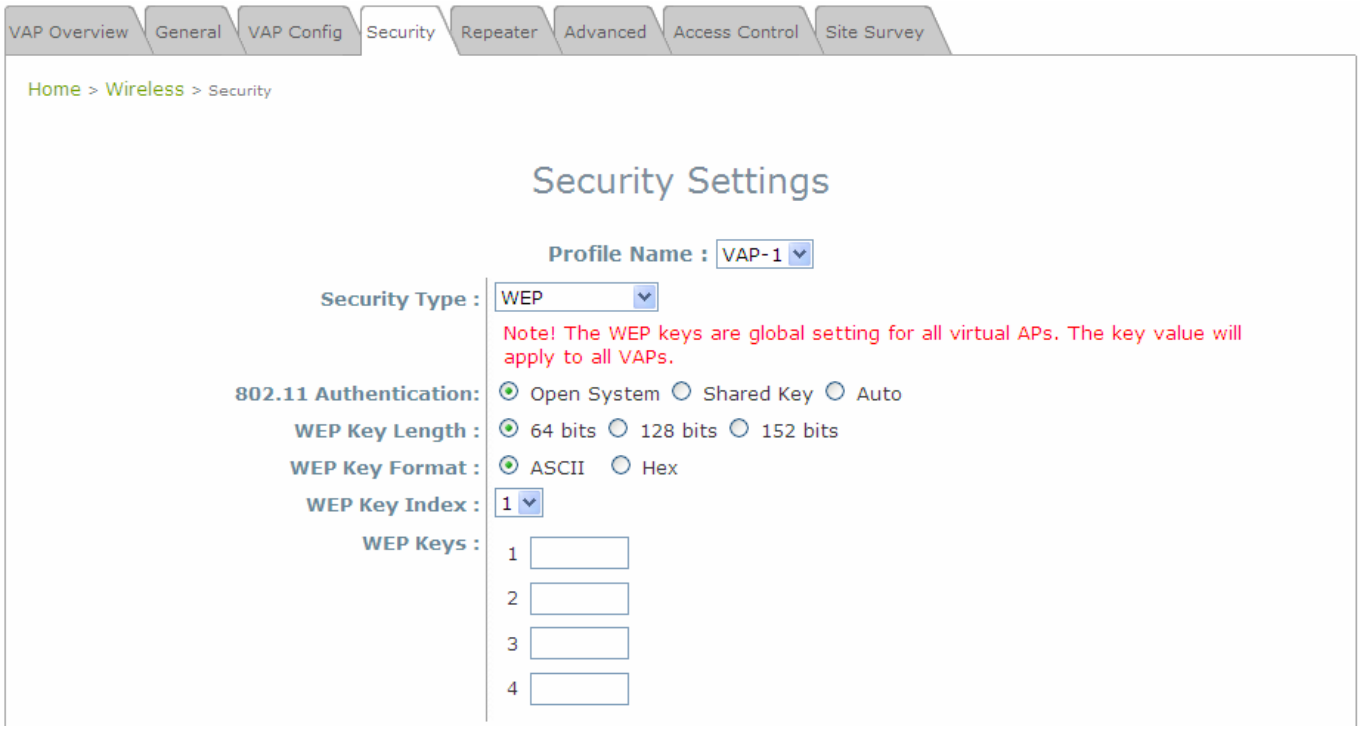
- Configure VAP profile settings:
  (a) Select the **VAP Config** tab to configure the settings for each VAP.
  (b) An administrator can enable or disable specific VAP from the drop-down list box of **Profile Name**.
- Check VAP status：
  After finishing the above settings, the status of enabled Virtual APs shall be reflected on the **Virtual AP Overview** page.



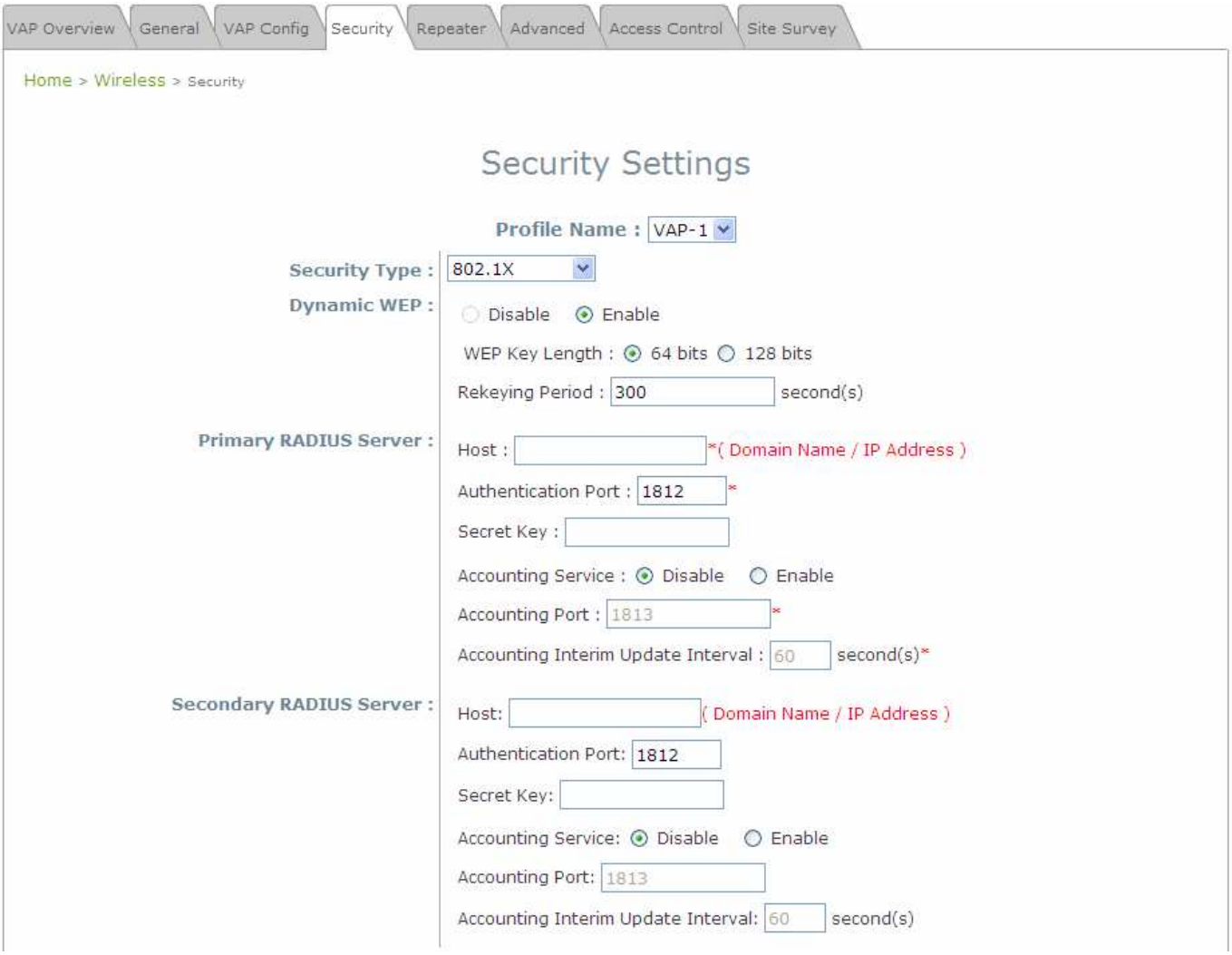
VAP No.	ESSID	State	Security Type	MAC ACL	Advanced Settings
1	EAP700-1	Enabled	None	Disabled	Edit
2	EAP700-2	Disabled	None	Disabled	Edit
3	EAP700-3	Disabled	None	Disabled	Edit
4	EAP700-4	Disabled	None	Disabled	Edit
5	EAP700-5	Disabled	None	Disabled	Edit
6	EAP700-6	Disabled	None	Disabled	Edit
7	EAP700-7	Disabled	None	Disabled	Edit
8	EAP700-8	Disabled	None	Disabled	Edit

Step 4 (Advanced Optional). Choose Security Type

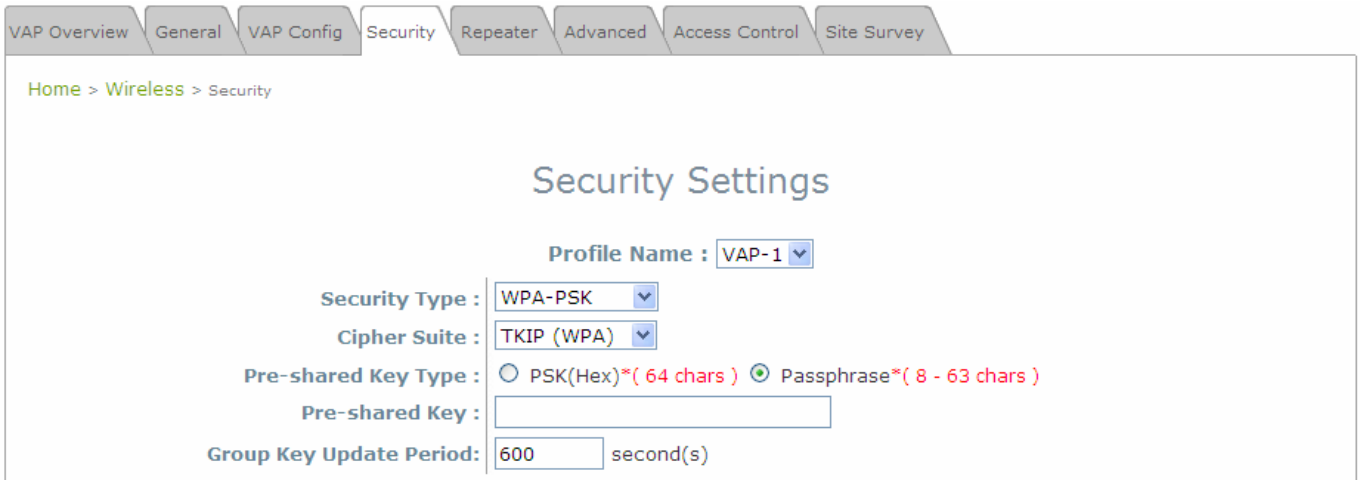
- Click on the **Wireless** button.
- Select the **Security** tab to configure your preferred security type to respective VAP:
  (The following uses "VAP-1" security configuration as an example.)
  1. Choose **"WEP"** as its **Security Type**:
     While **WEP** is selected, provide the desired **Authentication**, **Key Length**, **Key Format**, **Key Index**, and **Keys**.



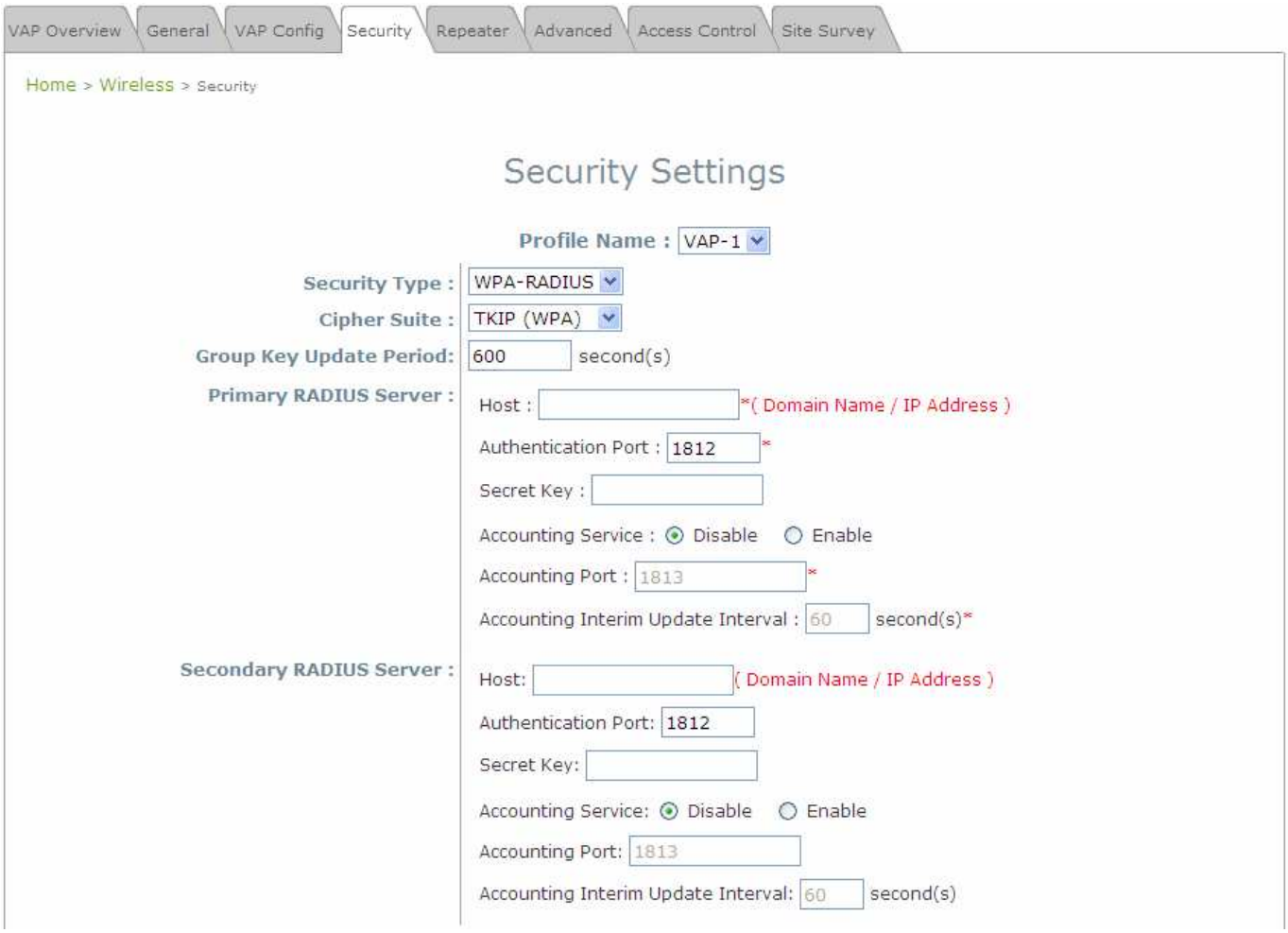
2. Choose **"802.1X"** as its **Security Type**:
   While **802.1X** authentication is selected, provide the desired **WEP Key Length** and the corresponding settings of **RADIUS Server**.



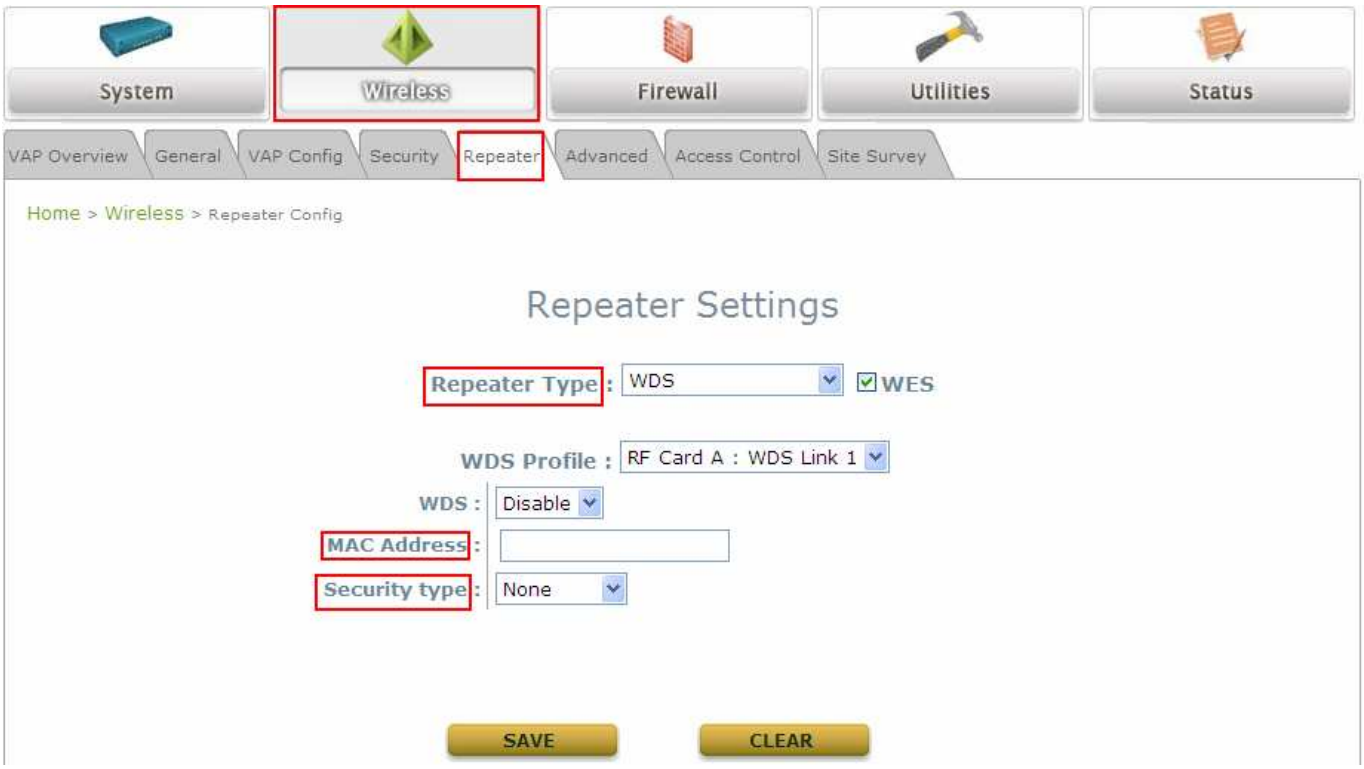
3. Choose **"WPA-PSK"** as its **Security Type**:
   When **WPA-PSK** is selected, provide the desired **Pre-shared Key** and **Cipher Suite**.



4. Choose **“WPA-RADIUS”** as its **Security Type**:
   While **WPA-RADIUS** is selected, provide the **Cipher** type and the corresponding settings of **RADIUS Server**.



Step 5. Configure WDS (Wireless Distribution System) Settings



To extend its wireless coverage, EAP700 is capable of creating WDS links for connection to other WDS-capable APs (peer APs). EAP700 supports up to 4 WDS links; by default, all WDS profiles are disabled.

- Click on the **Repeater** tab.
- Select **WDS** from drop-down list of **Repeater Type**.
- Configure WDS link parameters:
  (a) Enter **MAC Address** of Remote AP (peer AP).
  (b) Select preferred **Security Type**.
- To configure peer AP(s):
  After completing the WDS settings at this EAP700 (functioning as a "primary WDS station"), you must also configure the settings of its peer AP(s).
  If you use another EAP700 as the peer AP, simply repeat the above-mentioned steps with the MAC Address of the primary WDS station for setting WDS link parameters of the peer AP(s).

Note: Besides setting up your WDS connections manually, EAP700 also provide a quick and easy way to establish WDS connection using 4ipWES (Press-n-Connect). Make sure that you have 2 EAP700 APs set to the same band, simply by pressing the WES button on both AP devices, and they will establish a wireless/WDS connection with each other without further configuration. For more detailed instructions on 4ipWES feature, please refer to the ***User Manual – 4.6 Advanced Features***.

Step 5 (CONT). Check WDS Link Status

- Click on the **Status** button.
- Select the **Repeater** tab.
- Check the signal strength of WDS Link(s)：

  Upon the completion of Step 5, there shall be **RSSI** displayed on the **WDS Link Status**. If the **RSSI** is shown as **N/A**, check if the wiring is properly connected and please ensure the accurate execution of Step 5 as described above.

Congratulation!

Now, 4ipnet EAP700 is installed and configured successfully.

- *It is strongly recommended to make a backup copy of configuration settings.*
- *After EAP700's network configuration is completed, please remember to change the IP Address of your PC Connection Properties back to its original settings in order to ensure that your PC functions properly in its real network environments.*

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