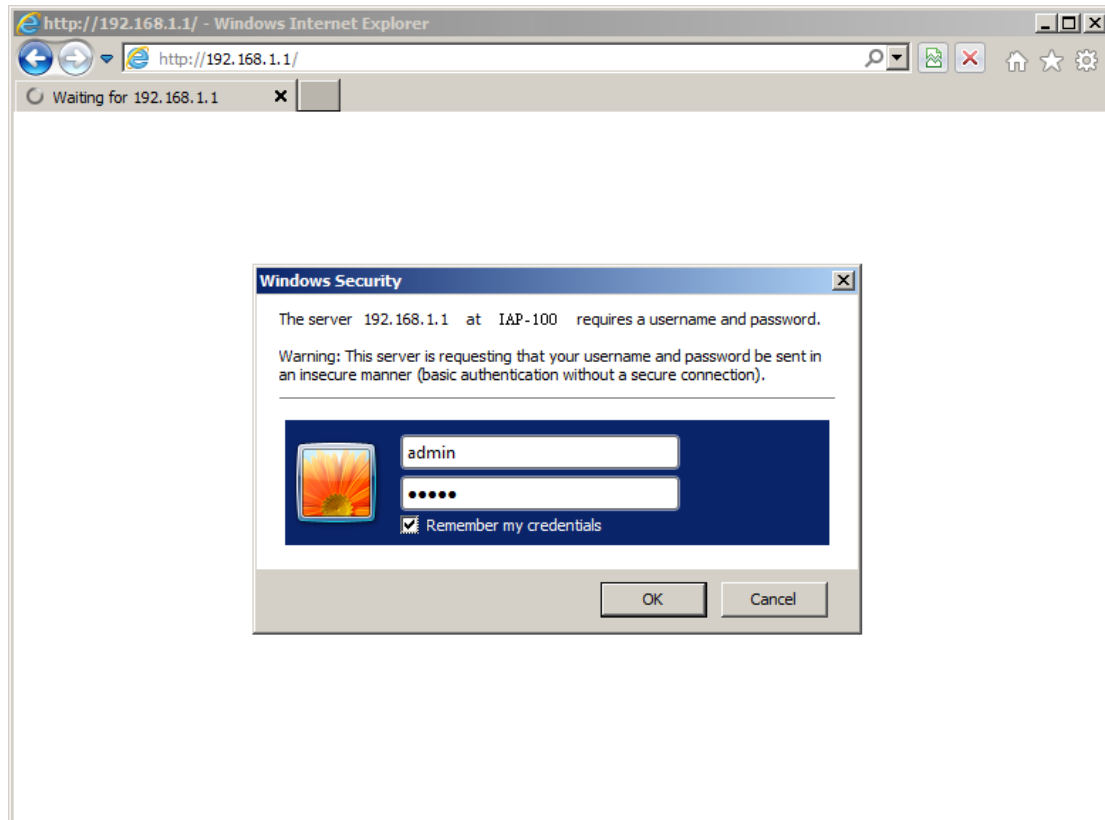


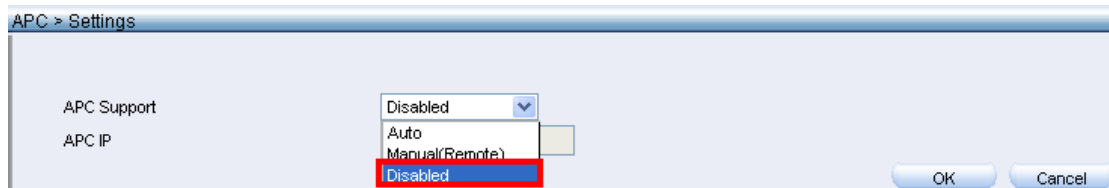
# Deploying Nusoft AP as a Fat AP

**Step 1.** First, power on the Nusoft AP and then connect it to a Windows PC through an RJ-45 cable. Next, run a browser on the PC to access the management interface at <http://192.168.1.1> (Credentials: admin / admin). ( **Figure 1-1** )



**Figure 1-1 Logging into the Management Interface of Nusoft AP**

**Step 2.** On the menu panel, click **APC** and then **Settings**. Select “Disabled” from the drop-down list to disable the **APC Support**. This is to run the AP as a fat AP. ( [Figure 1-2](#) )



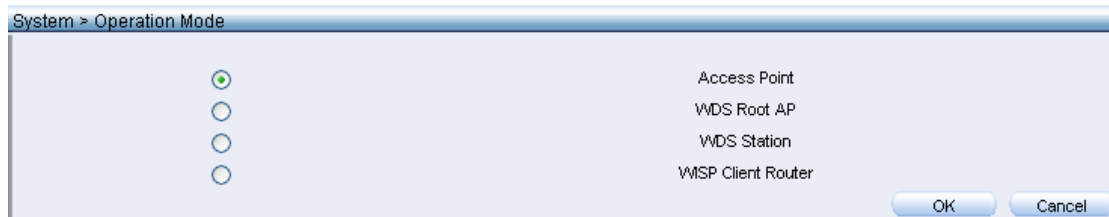
**Figure 1-2 Disabling the APC Support**



Important:

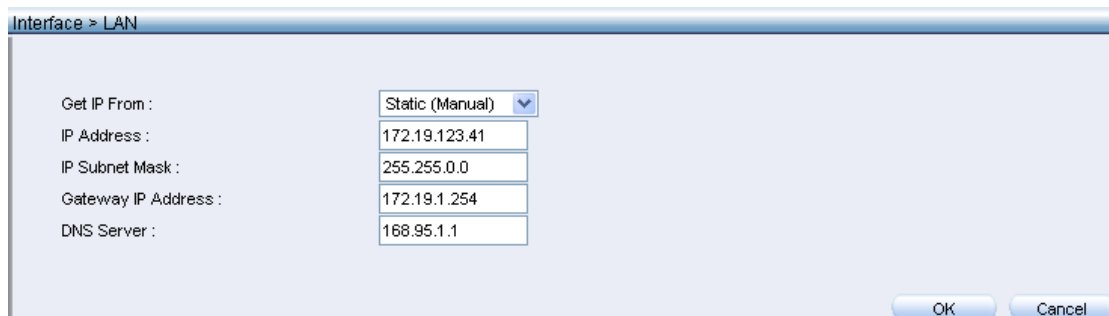
1. Nusoft APs will be using the default configuration profile on the AP controller (if available on a network) when the **APC Support** is set to “Auto”.
-

**Step 3.** Select an operation mode for the AP under **System > Operation Mode**. The following steps use the “Access Point” as an example.  
( [Figure 1-3](#) )



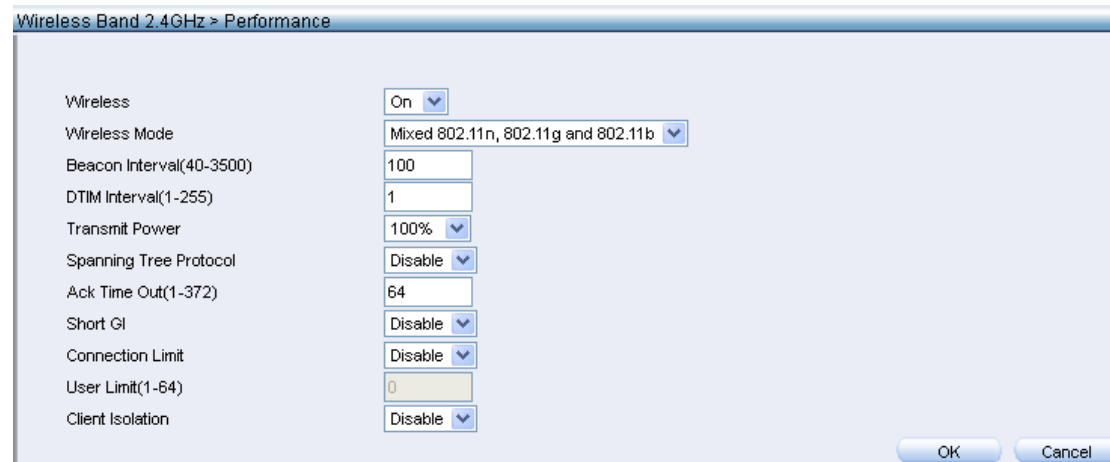
**Figure 1-3** Selecting “Access Point” as Operation Mode

**Step 4.** There are two way to assign an IP to the AP, one is static and the other is dynamic (using a DHCP server). As for this example, let’s go for a static IP under **Interface > LAN**. ( [Figure 1-4](#) )



**Figure 1-4** Assigning an IP to the AP

**Step 5.** Configure the wireless performance parameters for the AP under **Wireless Band 2.4G > Performance.** ( [Figure 1-5](#) )

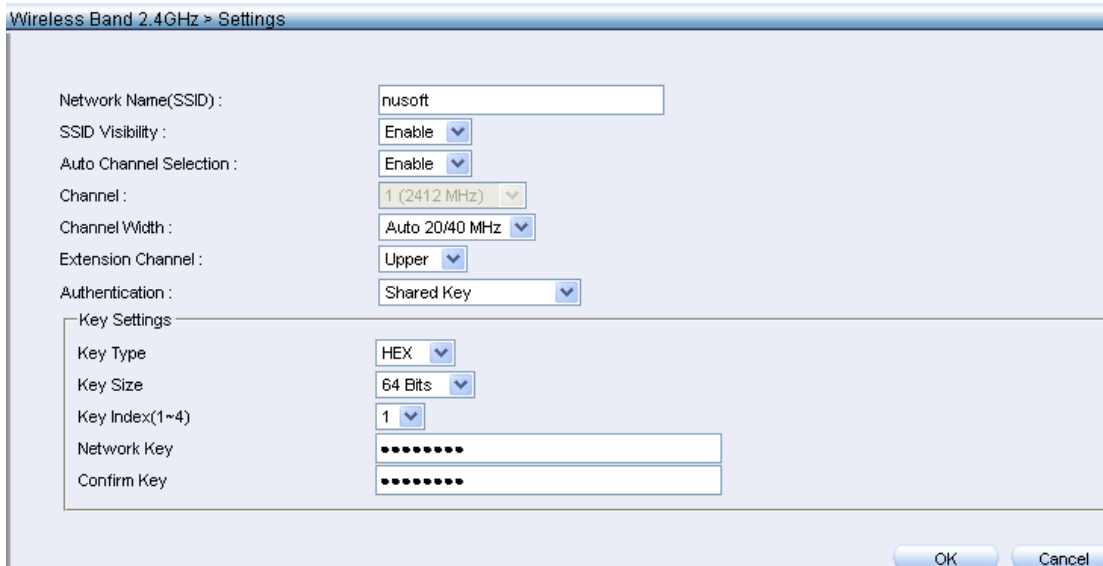


Parameter	Value
Wireless	On
Wireless Mode	Mixed 802.11n, 802.11g and 802.11b
Beacon Interval(40-3500)	100
DTIM Interval(1-255)	1
Transmit Power	100%
Spanning Tree Protocol	Disable
Ack Time Out(1-372)	64
Short GI	Disable
Connection Limit	Disable
User Limit(1-64)	0
Client Isolation	Disable

OK Cancel

**Figure 1-5 Configuring Wireless Performance Parameters**

**Step 6.** Configure the SSID parameters under **Wireless Band 2.4G > Settings.** ( **Figure 1-6** )



**Figure 1-6 Configuring SSID Parameters**



Note:

1. The minimum character length for different Shared Key types and sizes is as per table shown below:

Key Type	Key Size	Network Key
HEX	64Bits	10 characters
	128Bits	28 characters
ASCII	64Bits	5 characters
	128Bits	13 characters

2. When the authentication method is set to “WPA/WPA2 Personal”, it requires a pass phrase length of 8 to 64 characters.

**Step 7.** To create an SSID, click **Add** ( [Figure 1-7](#) ) and configure the parameters ( [Figure 1-8](#) ), and then click **OK** to complete the settings. You may create up to 8 SSIDs. ( [Figure 1-9](#) )

Wireless Band 2.4GHz > Multi-SSID

NetWork Name(SSID)

SSID Visibility

Client Isolation

Connection Limit

User Limit(1-64)

Authentication

Key Settings

Encryption ☒ Disabled ☐ Enabled

Key Type

Key Size

Key Index(1~4)

Network Key

Confirm Key

	Index	SSID	Encryption	Delete
	Primary SSID	nusoft	Shared Key	-

**Figure 1-7 Adding an SSID**

Wireless Band 2.4GHz > Multi-SSID

NetWork Name(SSID)

SSID Visibility

Client Isolation

Connection Limit

User Limit(1-64)

Authentication

PassPhrase Settings

WPA Mode

Cipher Type

Group Key Update Interval  (Seconds)

PassPhrase

Confirm PassPhrase

	Index	SSID	Encryption	Delete
	Primary SSID	nusoft	Shared Key	-

**Figure 1-8 Configuring the SSID Parameters**

Wireless Band 2.4GHz > Multi-SSID

Network Name(SSID): nusoft  
 SSID Visibility: Enable  
 Client Isolation: Disable  
 Connection Limit: Disable  
 User Limit(1-64): 64  
 Authentication: Shared Key

Key Settings

Encryption: ☒ Disabled ☐ Enabled  
 Key Type: HEX  
 Key Size: 64 Bits  
 Key Index(1~4): 1  
 Network Key: .....  
 Confirm Key: .....

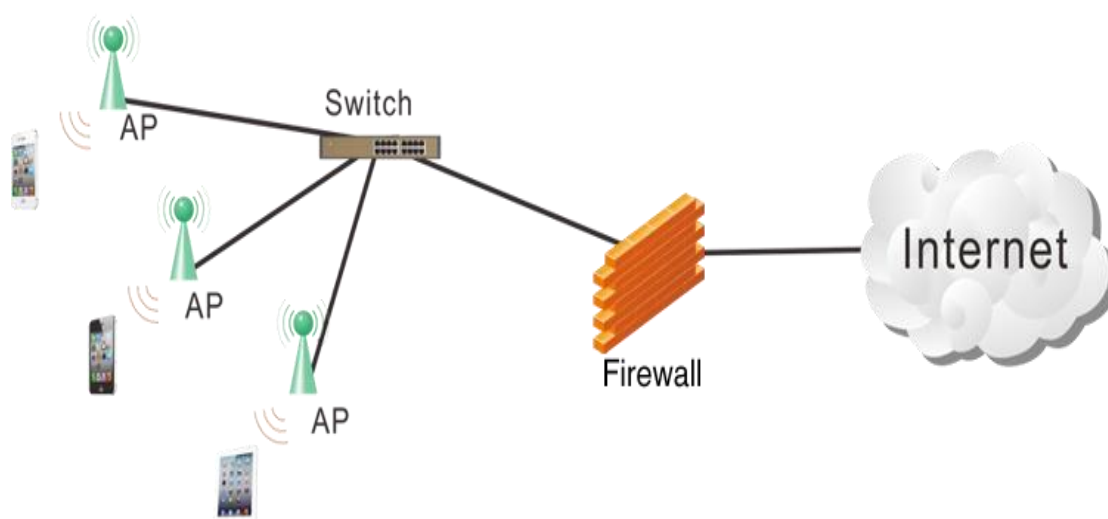
OK Cancel

	Index	SSID	Encryption	Delete
<input checked="" type="radio"/>	Primary SSID	nusoft	Shared Key	-
<input type="radio"/>	Multi-SSID 1	nusoft-1	WPA/WPA2 Personal	Delete

Add

**Figure 1-9 New SSID Successfully Created**

**Step 8.** Connect Nusoft APs to the LAN switch. After that, wireless users are now able to access the Internet through the APs. ( **Figure 1-10** )



**Figure 1-10 Deployment of Nusoft APs (Fat AP Mode)**