

Table of Contents

Package Contents	2
Deploying as a Fat AP.....	3
Deploying as a Thin AP	7
Appendix A: Hardware Installation.....	13
Appendix B: Power Adapter (Optional)	25
Appendix C: Product Statement.....	26

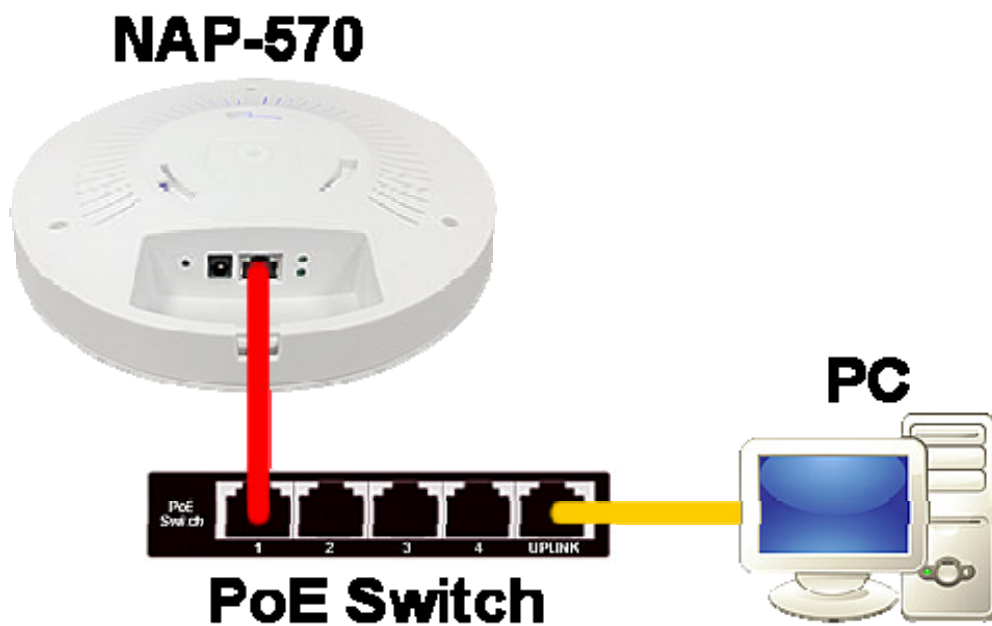
Package Contents

No.	Item	Image	Q'ty
1	NAP-570		1
2	Mounting Bracket		1
3	Plastic Wall Anchors (For ceiling mounting)		3
4	Self-Tapping Screws (For ceiling mounting)		3
5	12V / 1.5A Power Adapter (Optional)		1

Deploying as a Fat AP

A. Drawing Power from a PoE Switch (If unavailable, skip to Step B)

1. Connect NAP-570 to a PoE switch (any PoE port that supports IEEE 802.3at) with an RJ-45 cable, and then connect the Uplink port of the same PoE switch to the network adapter of a PC with another RJ-45 cable.



B. Drawing Power from a Power Adapter (Skip this step if Step A is done)

1. Connect NAP-570 to the network adapter of a PC with an RJ-45 cable.



2. Connect the DC plug to NAP-570 (**Warning: Use of improper power adapter may cause damage to NAP-570 or lead to unexpected errors.** It is strongly recommended to purchase the 12V / 1.5A power adapter directly from Nusoft.)

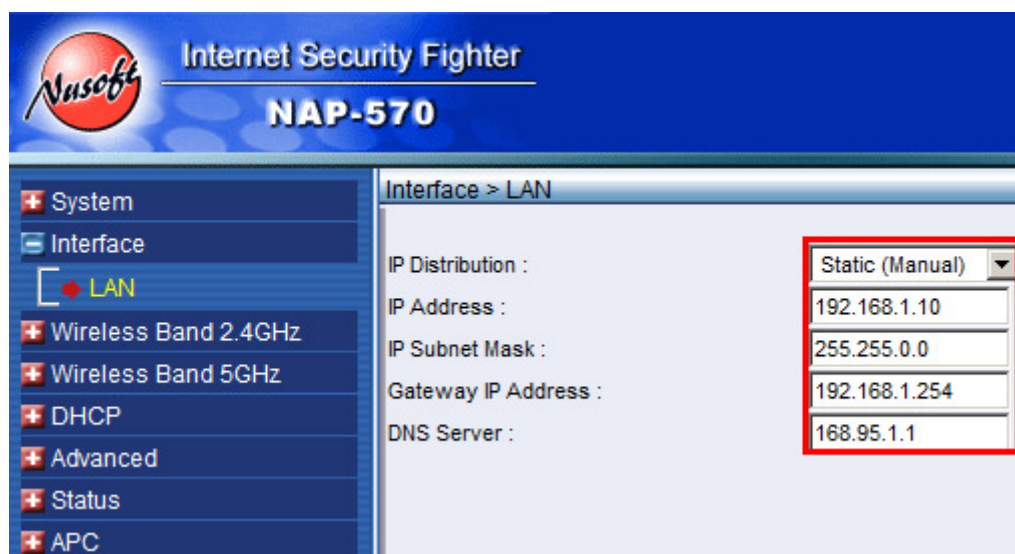


3. Plug the power adapter into a nearby wall outlet.

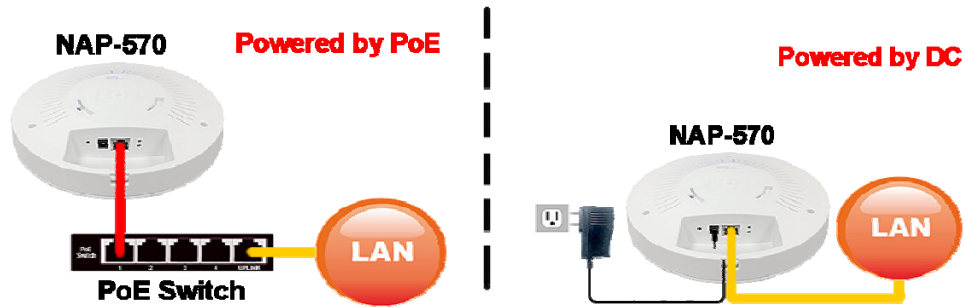


C. Modifying the Management IP Address

1. Run a browser to log in to <http://192.168.1.1> (default management IP address) using the credentials "admin / admin" .
2. On the menu panel, click **Interface** > **LAN**. Next, select "Static (Manual)" from the drop-down list on the configuration panel, and specify a LAN IP address (not repeatable; this example uses "192.168.1.10") as well as other information. After that, click **OK**.



3. A reboot will be performed for the changes to take effect. Then, install your AP on the ceiling and re-plug the RJ-45 cable that is connected to the network adapter of a PC to the LAN. (For instructions on installing the AP, refer to [0](#))



D. Enabling Wi-Fi on a Mobile Device

1. Enable Wi-Fi on your mobile device and then select a default SSID, i.e., "nusoft-2.4G" or "nusoft-5G" , to access the Internet. (Note: The 5GHz SSID is only visible to the devices that support 5GHz Wi-Fi.)



Deploying as a Thin AP

A. Preparing the LAC-100 AP Controller

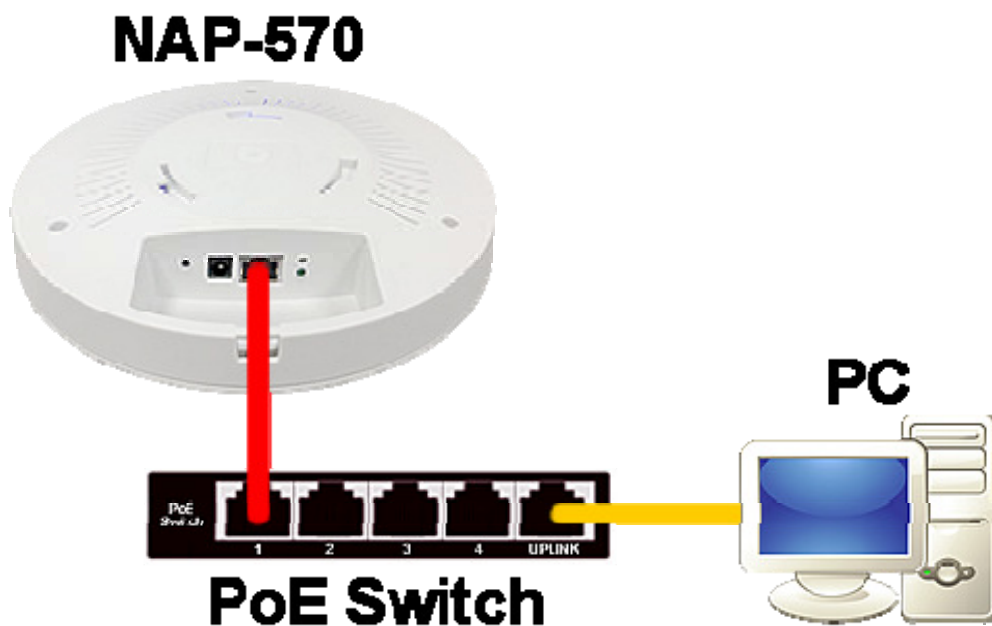
1. Configure a PC (requires at least 2GB memory and no hard disk drive) to boot from a USB device for LAC-100 operation.
2. Refer to [Appendix B: Making an LAC-100 USB Stick](#) to make a bootable USB flash drive (requires at least 8GB) or purchase a pre-loaded LAC-100 USB stick from Nusoft.
3. Boot the PC that is referred in Step 1 from the LAC-100 USB stick. Once booted, your LAC-100 AP controller is ready to go.

B. Installing the NAP-570

1. Refer to [0](#) to install your AP at the desired location and then keep a note of its MAC address (printed on the product label) for later use in AP identification and naming.
2. To install a number of APs, it is suggested to draw the power from an 802.3at PoE switch rather than wall outlets. When used with the PoE feature, NAP-570 facilitates your wireless deployment without the restraints of a wall outlet, such as the length of power cable or the number of the outlet sockets.

C. Drawing Power from a PoE Switch (If unavailable, skip to Step D)

1. Connect NAP-570 to a PoE switch (any PoE port that supports IEEE 802.3at) with an RJ-45 cable, and then connect the Uplink port of the same PoE switch to the network adapter of a PC with another RJ-45 cable.



2. When purchasing a PoE switch, please select a model that is equipped with sufficient PoE ports for connecting all your NAP-570 units.

D. Drawing Power from a Power Adapter (Skip this step if Step C is done)

1. Connect NAP-570 to the network adapter of a PC with an RJ-45 cable.



2. Connect the DC plug to NAP-570 (**Warning: Use of improper power adapter may cause damage to NAP-570 or lead to unexpected errors.** It is strongly recommended to purchase the 12V / 1.5A power adapter directly from Nusoft.)

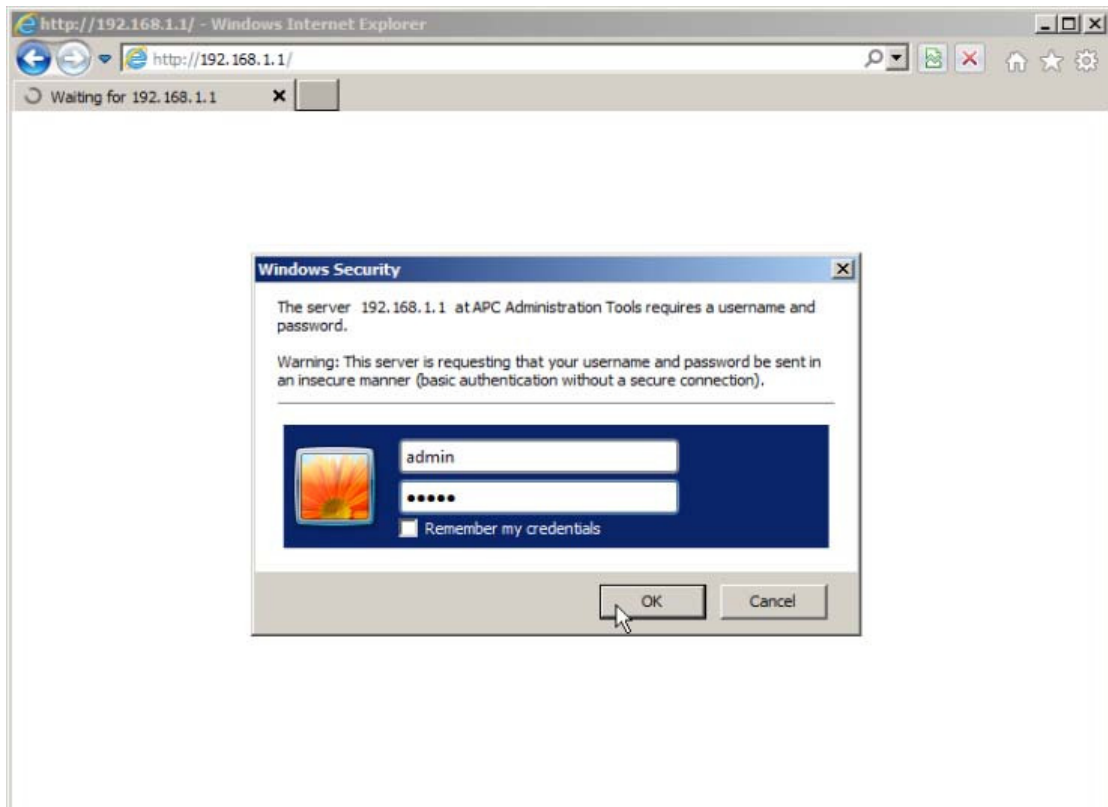


3. Plug the power adapter into a nearby wall outlet.



D. Modifying the Management IP Address

1. Connect the network adapters of the LAC-100 and a Windows PC with an RJ-45 cable (tries a crossover cable in case a straight-through cable fails). Next, run a browser to log in to <http://192.168.1.1> (default management IP address) using the credentials "admin / admin" .



2. On the menu panel, click **System > Configuration > Interface**. Then, specify a LAN IP address (not repeatable; this example uses "192.168.1.10") as well as other information. After that, click **OK**.



The screenshot shows a web-based configuration interface for a network device. The title bar at the top reads "System > Configuration > Interface". Below the title bar, there is a section titled "Interface Addresses" in a blue header. This section contains five text input fields for network configuration:

Field	Value
IP Address	192.168.1.10
Netmask	255.255.0.0
Default Gateway	192.168.1.254
Primary DNS Server	168.95.1.1
Secondary DNS Server	168.95.192.1

Below these fields, there is a section labeled "Access by / via :". It contains three checkboxes, all of which are checked:

- ☒ Ping / Traceroute
- ☒ HTTP
- ☒ HTTPS

At the bottom right of the window, there are two buttons: "OK" and "Cancel".

3. Re-plug the RJ-45 cable to the LAN.

E. Enabling Wi-Fi on a Mobile Device

1. Enable Wi-Fi on your mobile device and then select the default SSID (i.e., LAC-100) to access the Internet.



F. Renaming an AP

1. Run a browser on a LAN PC to log in to current management IP address (modified in Step B). Next, on the menu panel, click **AP Controller > Configuration > AP Profile** to rename your AP (based on the MAC address and installed location, e.g., Lobby) by clicking the corresponding **Modify** button.

Modify AP Profile	
IP Address :	192.168.1.11
MAC Address :	00:03:7F:11:40:85
Name :	Lobby (Max. 32 characters)
Latitude :	0.000000 (Optional)
Longitude :	0.000000 (Optional)
SSID 1 :	LAC-100
+ Mutiple SSIDs	
+ Advanced Settings	

Appendix A: Hardware Installation

◆ Installing on a Drop Ceiling (Suspended Ceiling)

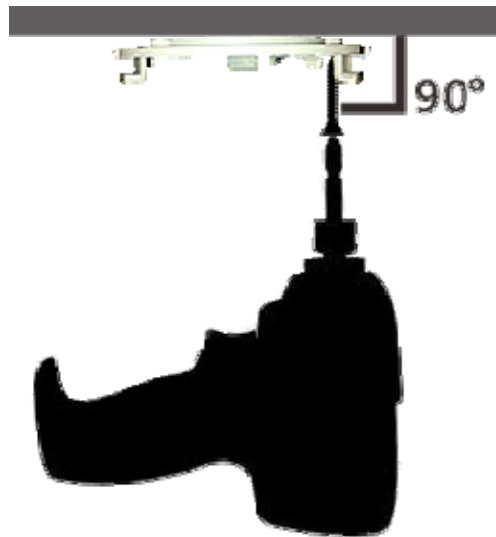
A. Securing the Mounting Bracket

- For ceilings that are made of calcium silicate, plywood, gypsum board:
 1. Prepare the tools needed for the drilling:
 - Safety glasses
 - Marking pen
 - Drill driver (or a #2 Phillips screwdriver)
 2. Put on safety glasses for eye protection
 3. Mark the pilot holes
 - a. Use the mounting bracket as a drill template to mark the pilot holes on the ceiling.



4. Secure the self-tapping screws
 - a. Hold the mounting bracket as per picture shown and then align the holes with the marks.

Next, secure the bracket with the screws (drilled at 90° one at a time) using a drill driver or a screwdriver.



- B. Whether your NAP-570 units are drawing power from a PoE switch or a power adapter, please route the cable(s) through the access hole as per picture shown. **(Warning: Drawing power from a PoE switch and a power adapter “at the same time” may cause damage to NAP-570 or lead to unexpected errors.)**



- C. Hold the unit bottom side up and position the ports in the same direction as the triangle icon indicates on the mounting bracket. Align the grooves with the latches and then lift up and rotate the unit clockwise until you hear a “click” sound.



◆ Installing on a Hard Ceiling

A. Securing the Mounting Bracket

- For ceilings that are made of cement or other solid substances:
 1. Prepare the tools needed for the drilling:
 - Safety glasses
 - Marking pen
 - Steel nail
 - Claw hammer
 - Drill driver (with a hammer-drill setting)
 - 6mm masonry bit
 - #2 Phillips screwdriver
 2. Put on safety glasses for eye protection
 3. Mark the pilot holes
 - a. Use the mounting bracket as a drill template to mark the pilot holes on the ceiling.



4. Drill the mounting holes

- a. Hold the nail against the marks (one at a time) and tap it with the hammer to leave a small dent.



- b. Mark the length of plastic wall anchor on the masonry bit.



- c. For drilling on ceramic tile, make sure the hammer-drill setting is not used until the tile is drilled through.

- d. Keep the masonry bit at 90° to the wall and start drilling till the hole is as deep as the mark. (Do not press the trigger continually as the drill motor may be damaged due to overheating.)



5. Tap in the plastic wall anchors with the claw hammer.
6. Secure the mounting bracket with the self-tapping screws.

- B. Whether your NAP-570 units are drawing power from a PoE switch or a power adapter, please route the cable(s) through the access hole as per picture shown. (Warning: Drawing power from a PoE switch and a power adapter “at the same time” may cause damage to NAP-570 or lead to unexpected errors.)



- C. Hold the unit bottom side up and position the ports in the same direction as the triangle icon indicates on the mounting bracket. Align the grooves with the latches and then lift up and rotate the unit clockwise until you hear a “click” sound.



Appendix C: Power Adapter (Optional)

Caution: Prior to use, make sure your NAP-570 unit is powered by a proprietary power adapter (see the specs below).

Specifications:

- AC input: 100-240V, 0.4A @ 50 / 60 Hz
- DC output: 12V / 1.5A, 18W max.

Appendix D: Product Statement

FCC Compliance Statement:

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

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

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 or more 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.

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.

Usage Restrictions: This equipment is intended for indoor use only.