



WAB-3003
108M 11g Outdoor PoE AP

Quick Installation Guide v1.1



Preface

The 802.11 b/g compliant **WAB-3003** is a Long Range Outdoor AP device that can be deployed as a traditional fixed wireless Access Point (AP). The metal sealed WAB-3003 is compact in size and weatherproof. Coming with a mounting kit, it can be mounted on a pole or wall. It is suitable for both indoor and outdoor usage with its 200mW output power, which is higher than a typical indoor AP (100mW).

This Quick Installation Guide (including FAQ Instruction Guide) provides instructions for getting started with WAB-3003.

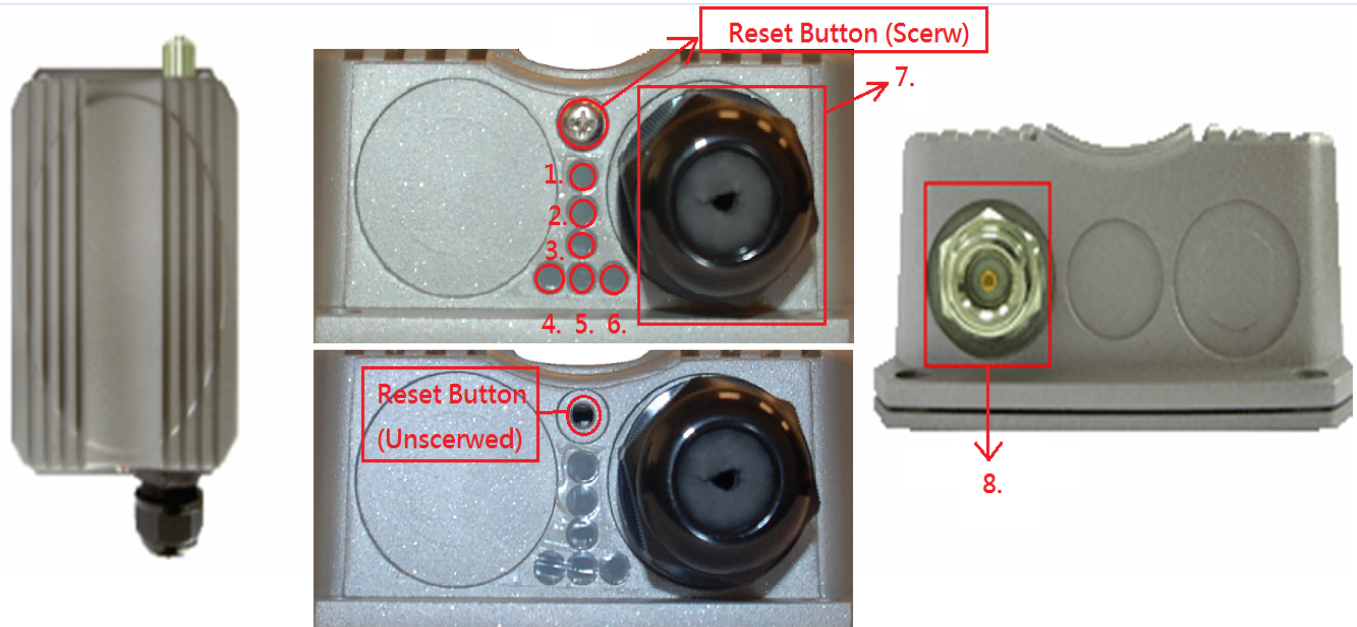
Package Contents

1. WAB-3003 x 1
2. Quick Installation Guide (QIG) x 1
3. User's Manual with CD-ROM x 1
4. Power Sourcing Equipment (PSE) with AC cable x 1
5. Mounting Kit x 1
6. Water Proof Connector Pack x 1

Caution: *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.*

System Overview

WAB-3003



1	Power	Red LED ON indicates Power on, and OFF indicates power off
2~3	Wireless Signal Strength	For showing the signal strength situation (7: Yellow; 8: Green)
4	WLAN	Green LED ON indicates system ready
5	Wireless Signal Strength	For showing the signal strength situation
6	Ethernet	Green LED ON indicates connection, OFF indicates no connection, and BLINKING indicates transmitting data.
7	RJ – 45 PoE Connector	For connecting to the Power Sourcing Equipment (PSE)
8	N-type Connector	For connecting to an antenna
9	Reset Button *(Screw)	For resetting the system of AP

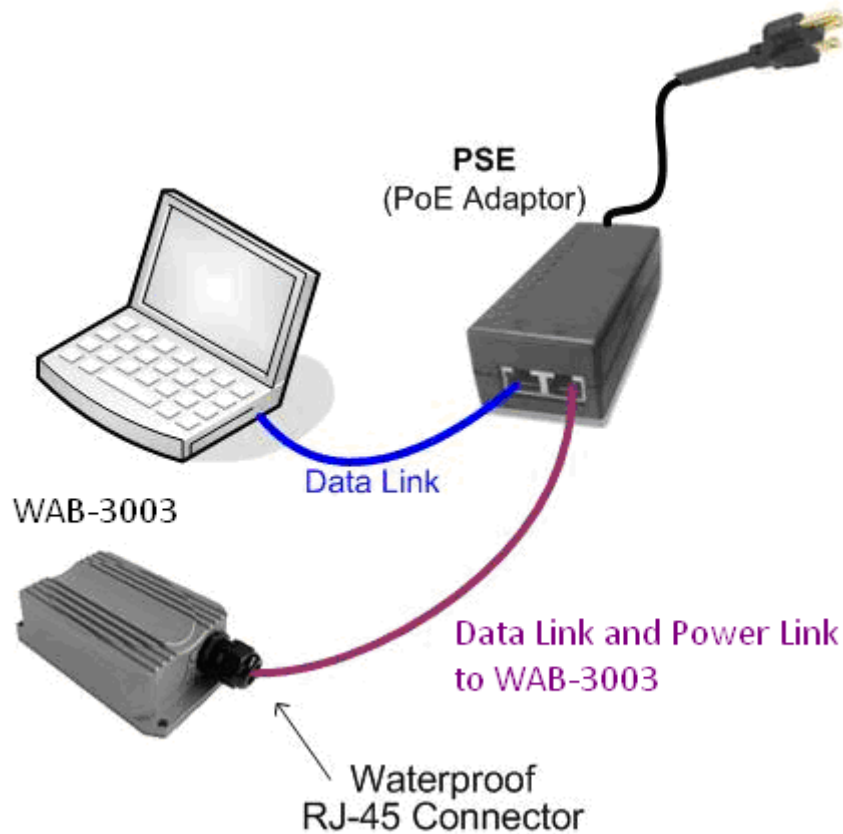
Reset Procedure

1. Make sure the WAB-3003 completes booting and is already running
(The booting process of system usually takes 2 minutes)
2. *Unscrew the Screw then you will see a reset button (inside the hole)
3. Use the provided reset pin to press and hold the reset button for 15 seconds
4. Release the reset button and leave the system re-booting for 2 minutes

Hardware Installation

WAB-3003

The following diagram is a **basic network topology** which can be used for testing and configuring the WAB-3003.



Installation Steps:

- Step 1.** Connect an N-type antenna to the N-type connector.
- Step 2.** Connect the PSE (POWER & DATA OUT) to the PSE 1 connector on the lower panel.
- Step 3.** Connect one end of an Ethernet cable to the PSE 2 connector on the lower panel and the other end to a computer.
- Step 4.** Connect the power cord to the PSE.
- Step 5.** Power on the PSE in order to supply power to the WAB-3003.

Getting Started

WAB-3003 is a pure Access Point which supports web-based configuration. It is required to follow the respective installation procedures provided to properly set up the system.

- **Default IP Address of Web Management Interface:**

The default IP address and Subnet Mask for the WAB-3033 are as follows:

IP Address	192.168.0.1
Subnet Mask	255.255.255.0

- **Default User Name and Password:**

The default user name and password for both the **root** and **admin** account are as follows:

Management Account	Root Account
User Name	root
Password	admin

Access WMI (Web Management Interface) Login Pages

Step 1: IP Segment Setup for Administrator PC

Set a static IP address on the same subnet mask as WAB-3003 in TCP/IP of the administrator PC, such as the following example. Do not duplicate the IP address used here with the IP address of WAB-3003 or any other devices within the same network. (Default Mode needed.)

>> Example of IP Segment:

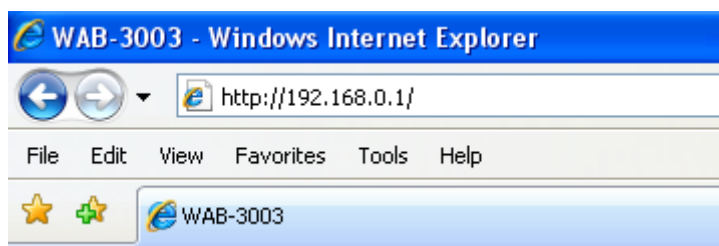
The valid range of IP address is 1 ~ 254. However, **1** must be avoided as it is already used by WAB-3003. Below depicts an example of using **100** (the underlined value can be changed as desired).

IP Address: 192.168.0.100

Subnet Mask: 255.255.255.0

Step 2: Launch Web Browser

Launch a web browser to access the web management interface by entering the default IP address, **http://192.168.0.1/**, in the URL field, and then press **Enter**.



Step 3: System Login


The system manager Login Page will then appear.

Enter **"root"** in the *User name* field and **"admin"** in the *Password* field, and then click **Login** to log in.





Step 4: Login Success


After a successful login to WAB-3003, a **System Overview** page of WMI will appear. To logout, simply click on the **Logout** button at the upper right hand corner of the interface.


 **levelone** WAB-3003 Wireless Outdoor AP


Home Logout ? Help

 System

 Wireless

 Firewall


 Utilities

 Status

Overview Clients Event Log


Home > Status > System Overview

System Overview




System

System Name	WAB-3003
Firmware Version	1.00.00
Build Number	1.10-1.2617
Location	Greenwich
Site	EN-E
Device Time	1999/12/31 16:03:30
System Up Time	0 days, 0:03:30
Operating Mode	AP




Radio Status

MAC Address	00:1F:D4:00:20:F1
Band	802.11b+g
Channel	1
TX Power	Highest



AP Status

Profile Name	BSSID	ESSID	Security Type	Online Clients
VAP-1	00:1F:D4:00:20:F1	LevelOne	None	0



LAN Interface

MAC Address	00:1F:D4:00:20:F0
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Gateway	192.168.0.254

6

Common Settings

Step 1: System Overview

The screenshot displays the LevelOne WAB-3003 Wireless Outdoor AP web interface. At the top, there is a navigation bar with the LevelOne logo, the device name 'WAB-3003 Wireless Outdoor AP', and links for Home, Logout, and Help. Below this is a main menu with buttons for System, Wireless, Firewall, Utilities, and Status. The Status button is highlighted. Under the Status button, there are sub-tabs for Overview, Clients, and Event Log, with Overview selected. The breadcrumb trail shows 'Home > Status > System Overview'. The main content area is titled 'System Overview' and contains four sections: System, Radio Status, LAN Interface, and AP Status.

System

System Name	WAB-3003
Firmware Version	1.00.00
Build Number	1.10-1.2617
Location	Greenwich
Site	EN-E
Device Time	1999/12/31 16:03:30
System Up Time	0 days, 0:03:30
Operating Mode	AP

Radio Status

MAC Address	00:1F:D4:00:20:F1
Band	802.11b+g
Channel	1
TX Power	Highest

LAN Interface

MAC Address	00:1F:D4:00:20:F0
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Gateway	192.168.0.254

AP Status

Profile Name	BSSID	ESSID	Security Type	Online Clients
VAP-1	00:1F:D4:00:20:F1	LevelOne	None	0

- Click on the **Status** button and then select the **System Overview** tab.

Step 2: Change Password

The screenshot shows the LevelOne WAB-3003 Wireless Outdoor AP web interface. At the top, there is a header with the LevelOne logo and the product name. Below the header, there are five main navigation buttons: System, Wireless, Firewall, Utilities, and Status. The Utilities button is highlighted. Below these buttons, there is a sub-navigation bar with five tabs: Change Password, Network Utilities, Config Save & Restore, System Upgrade, and Reboot. The Change Password tab is selected. The main content area displays the 'Change Password' form. The form includes fields for Name (root), Old Password, New Password, and Re-enter New Password. The New Password field has a red note indicating it can be up to 32 characters. At the bottom of the form, there are two buttons: SAVE and CLEAR.

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Home Logout ? Help

System Wireless Firewall Utilities Status

Change Password Network Utilities Config Save & Restore System Upgrade Reboot

Home > Utilities > Change Password

Change Password

Name : root

Old Password :

New Password : *up to 32 characters

Re-enter New Password :

SAVE CLEAR

- Click on the **Utilities** button and then select the **Password** tab.
- Enter a new password in the *New Password* field and retype it in the *Re-enter New Password* field.
- Click **SAVE** to save the changes.

Step 3: Network Settings

The screenshot shows the web interface of a levelone WAB-3003 Wireless Outdoor AP. At the top, there is a header with the levelone logo and the product name. Below the header, there are five main navigation buttons: System, Wireless, Firewall, Utilities, and Status. The System button is selected. Under the System button, there are four sub-tabs: System Information, Network, Management, and QoS Classification. The Network tab is selected. The main content area displays the 'Network Settings' page. It includes a breadcrumb trail: Home > System > Network Interface. The settings are organized into two sections: 'Mode' and 'Layer2 STP'. The 'Mode' section has radio buttons for 'Static' (selected) and 'DHCP', and a 'Renew' button. Below this are five input fields: 'IP Address' (192.168.0.1), 'Netmask' (255.255.255.0), 'Default Gateway' (192.168.0.254), 'Primary DNS Server' (168.95.1.1), and 'Alternate DNS Server' (empty). Each of the first four fields has a red asterisk to its right. The 'Layer2 STP' section has radio buttons for 'Disable' (selected) and 'Enable'. At the bottom of the form, there are two yellow buttons: 'SAVE' and 'CLEAR'.

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Home Logout ? Help

System Wireless Firewall Utilities Status

System Information Network Management QoS Classification

Home > System > Network Interface

Network Settings

Mode : ☒ Static ☐ DHCP

IP Address : *

Netmask : *

Default Gateway : *

Primary DNS Server : *

Alternate DNS Server :

Layer2 STP : ☒ Disable ☐ Enable

Settings here are for example only

- Click on the **System** button and then select the **Network** tab.
- Enable *Static*, and then enter the related information in the fields marked with red asterisks.
- Click **SAVE** to save the settings.


Step 4: ESSID Settings

The screenshot shows the LevelOne WAB-3003 Wireless Outdoor AP web interface. At the top, there is a header with the LevelOne logo and the model name. Below the header, there are five main navigation buttons: System, Wireless (highlighted), Firewall, Utilities, and Status. Under the Wireless button, there are six sub-tabs: VAP Overview, General (selected), VAP Config, Security, Advanced, and Access Control. The main content area is titled 'General Settings' and contains the following configuration options:

- Band : 802.11b+802.11g (dropdown menu)
- Super G : ☐ Bursting ☐ Fast Frames ☐ Dynamic Turbo
- Short Preamble : ☐ Disable ☒ Enable
- Channel : 1 (dropdown menu)
- Max Transmit Rate : Auto (dropdown menu)
- Transmit Power : Auto (dropdown menu)
- Beacon Interval : 100 *(100 - 500ms)

At the bottom of the configuration area, there are two buttons: SAVE and CLEAR.

- Click on the **Wireless** button and then select the **General** tab.
- **Band:** Select an appropriate band from the drop-down list box.


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 Home Logout Help

System

Wireless

Firewall

Utilities

Status

VAP Overview

General

VAP Config

Security

Advanced

Access Control

Home > Wireless > VAP Config

VAP Configuration

Profile Name : VAP-1

VAP :

☐ Disable
 ☒ Enable

Profile Name :

VAP-1

ESSID :

LevelOne

VLAN ID :

☒ Disable
 ☐ Enable

VLAN ID :

*(1 - 4094)

SAVE

CLEAR

- Click on the **Wireless** button and then select the **VAP Config** tab.
- **ESSID:** Enter respective ESSID for each VAP in the *ESSID* field or use the default. **ESSID** (Extended Service Set Identifier) is a unique identifier used for networking devices to get associated with WAB-3003.

Note:

For QoS classification, please enable VLAN ID and specify a VLAN ID with respective ESSID.

- Click **SAVE** to save the settings.

Step 5: Security Settings

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Home Logout ? Help

System Wireless Firewall Utilities Status

VAP Overview General VAP Config Security Advanced Access Control

Home > Wireless > Security

Security Settings

Profile Name : VAP-1

Security Type : WEP

Note! The WEP keys are global setting for all virtual APs. The key value will apply to all VAPs.

802.11 Authentication: ☒ Open System ☐ Shared Key ☐ Auto

WEP Key Length : ☒ 64 bits ☐ 128 bits ☐ 152 bits

WEP Key Format : ☒ ASCII ☐ Hex

WEP Key Index : 1

WEP Keys :

1

2

3

4

SAVE CLEAR

- Click on the **Wireless** button and then select the **Security** tab.
- Select the desired *VAP Profile and Security Type* from the drop-down list boxes. The above figure depicts an example of selecting VAP-1 and **WEP**.
- Enter the information required in the blank fields.

Caution:

You must use the same information provided here to configure the network devices that are to be associated with WAB-3003.

- Click **SAVE** to save all settings configured so far. All updated settings will take effect upon reboot

Congratulation!

The AP mode is now successfully configured.

Caution:

After WAB-3003's network configuration completes, 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.

- ***It is strongly recommended to make a backup copy of configuration settings.***
- ***For further configuration and backup information, please refer to the User's Manual.***