meter MW08 Wireless Access Point User Manual

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MW08 Wireless Access Point
User Manual

Contents

Introduction

Key Features

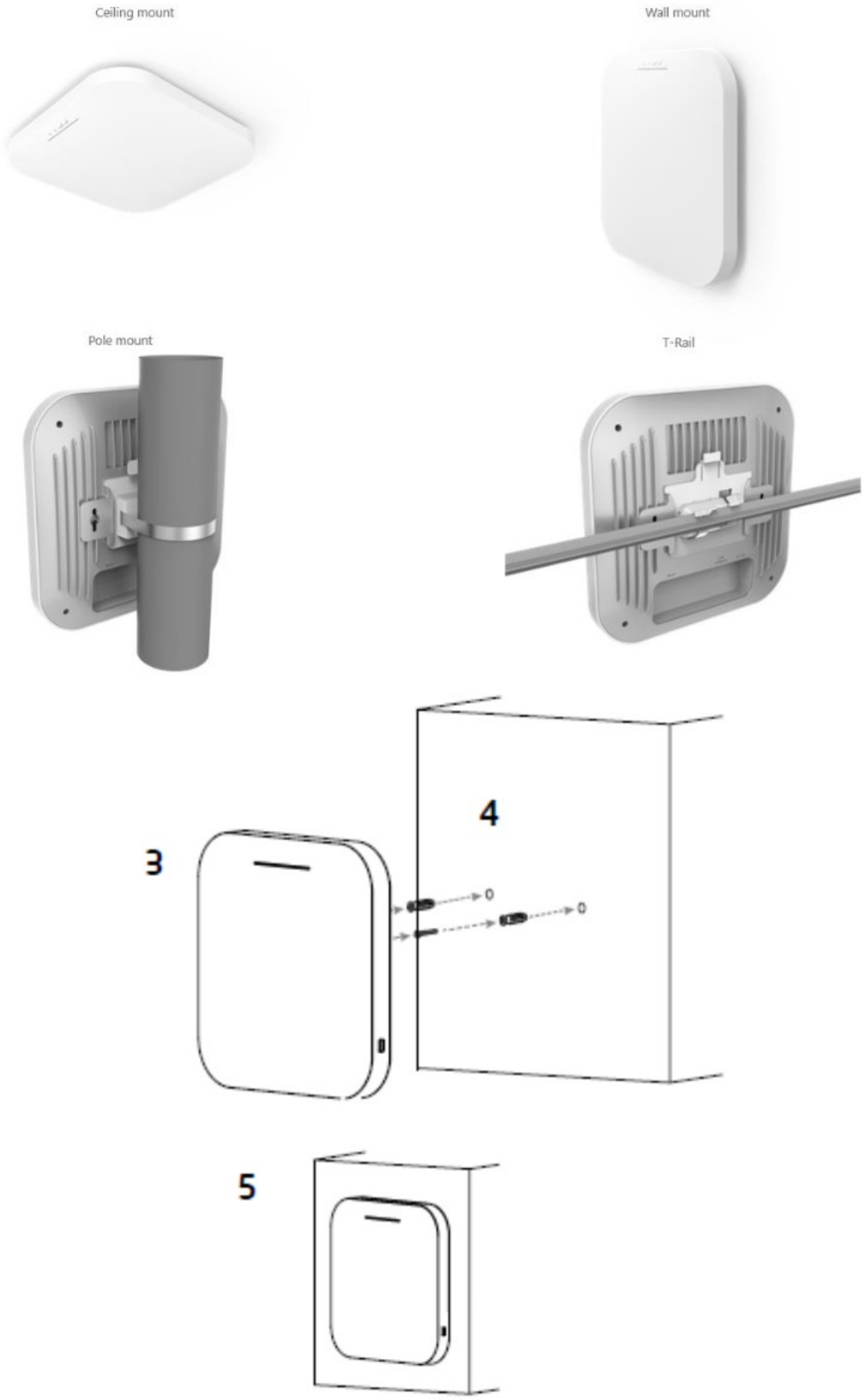
- Supports IEEE802.11ac/a/b/g/n wireless standards
- Four 2.4 GHz Metal PIFA Antennas
- Four 5 GHz Metal PIFA Antennas
- One Metal PIFA Antenna for scanning radio
- Support Wave 2 MU-MIMO function
- Support Tx Beamforming to enlarge the transmitting distance.
- Support Scanning Radio, 2.4Ghz/5Ghz selectable
- IEEE802.11 PoE af Input design with Gigabit port supports.
- Flexible application by the built-in 2nd LAN port.
- More customized items on Band Steering for intelligent Management.
- Secured Guest Network option available

The AP is 802.11 ac wave2/a/b/g/n Access Point with speeds up to 800 Mbps on 2.4GHz and 1,733Mbps on 5GHz band. It can be configured as an Access Point, or WDS (AP, Station).
The AP is an affordable solution which is built in high-powered radios and long-range settings to replace the ordinary Access Points that do not have the range and reach to connect toa growing number of wireless users. With Wave2 features, the Access Point could reduce the handling period on client devices and network with more client devices at the same time. Meanwhile, the beamforming will gather energy to a specific direction and increase the transmitting distance.
Physical Interface (MW08)

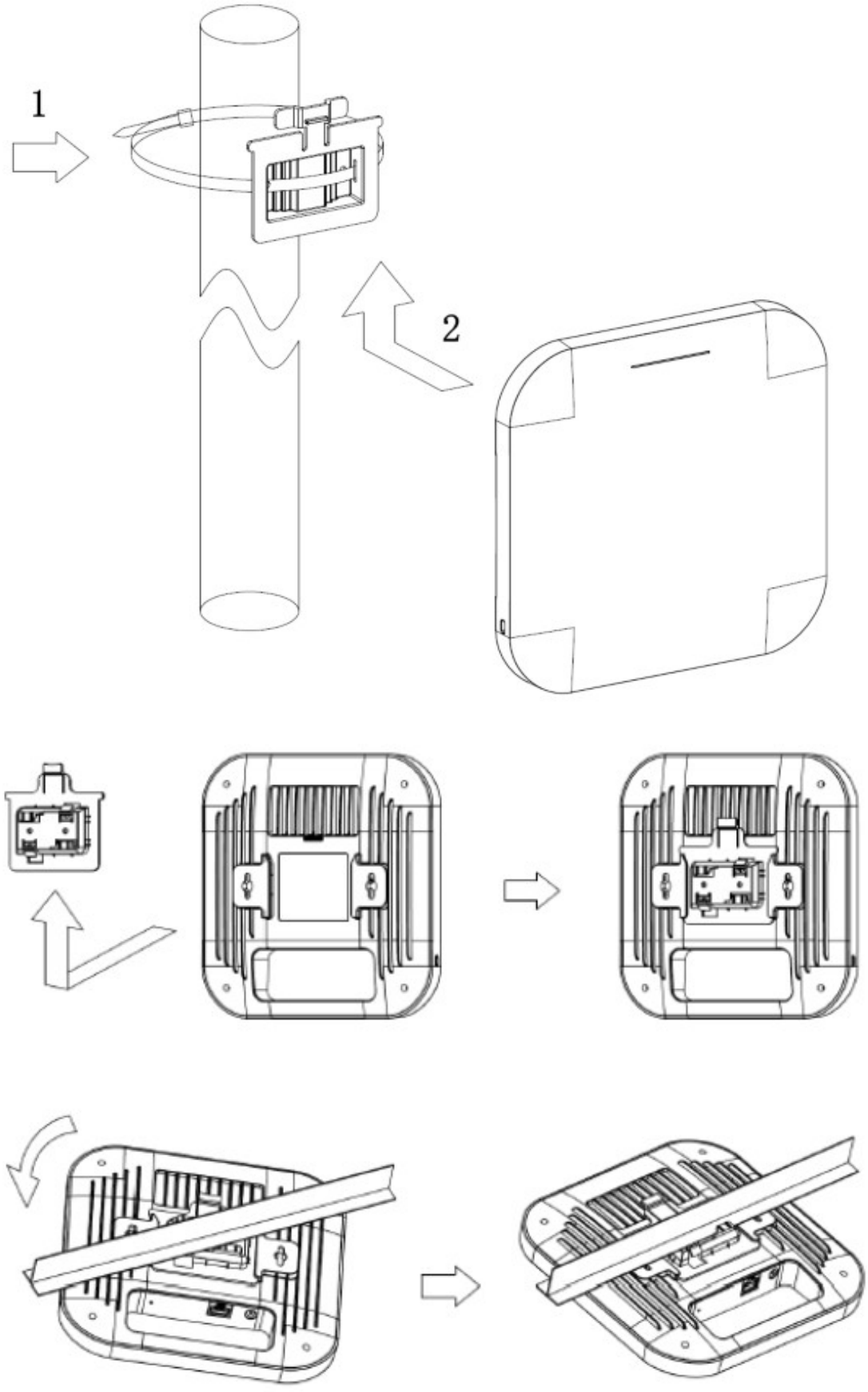
Installation

Mounting the AP

Using the provided hardware, the AP can be attached to a wall or a ceiling



Ceiling Mount an Access Point



1. Slide the ceiling mount base into the slot of the Access Point.
2. Hold the Access Point with one hand to reach the other hand over the T-Rail sides of the bracket. Then hook the stationary end of the ceiling mount bracket onto the T-Rail
3. Continued, determine where the Access Point to be placed and mark location on the surface for the two mounting holes. Use the appropriate drill bit to drill two 8.1mm diameter and 26mm depth holes in the markings

and hammer the bolts into the openings.

4. Screw the anchors onto the holes until they are flush with the wall ; screw the included screws into the anchors.
5. Place the Access Point against wall with the mounting screw heads.
6. Product Overview

Physical & Environment

Power Source	DC Input: 12 VDC/1.5A
	PoE: compatible with 802.3at or Passive PoE
Internal High Gain Antenna(Peak Gain)	~4.93dBi 2.4GHz antennas ~6.43dBi 5GHz antennas
Interface	1 x 10/100/1000/2500Mbps Ethernet Port with 802.3at PoE1 x 10/100/1000Mbps Ethernet Port(**Not available for WAP385-C model**)
	1 x reset button 1x DC IN
Dimensions (W x D x H)	160x160x30 mm
Mounting	Ceiling Mount/Wall mount
Environment	Operating temperature: -0°C~40°C
	Operating humidity: 0%~90% typical
Technical Specifications	Storage temperature: -20°C~70°C

This equipment is only to be connected to PoE networks without routing to outside plants.

Applications

Wireless LAN (WLAN) products are easy to install and highly efficient. The following list describes some of the many applications made possible through the power and flexibility of WLANs:

- **Difficult-to-Wire Environments**: There are many situations where wires cannot be installed, deployed easily, orcannot be hidden from view. Older buildings, sites with multiple buildings, and/or areas that make theinstallation of a Ethernet-based LAN impossible, impractical or expensive are sites where WLAN can be anetwork solution.
- **Temporary Workgroups**: Create temporary workgroups/networks in more open areas within a building;auditoriums, amphitheaters classrooms, ballrooms, arenas, exhibition centers, or temporary offices where onewants either a permanent or temporary Wireless LAN established.
- **The Ability to Access Real-Time Information**: Doctors/Nurses, Point-of-Sale Employees, and/or WarehouseWorkers can access real-time information while dealing with patients, serving customers, and/or processinginformation.
- **Frequently Changing Environments:** Set up networks in environments that change frequently (i.e.: ShowRooms, Exhibits, etc.).
- **Small Office and Home Office (SOHO) Networks**: SOHO users require a cost-effective, easy, and quickinstallation of a small network.
- **Training/Educational Facilities:** Training sites at corporations or students at universities use

wirelessconnectivity to exchange information between peers and easily access information for learning purposes

Before You Begin

Computer Settings

Windows XP/Windows 7/Windows 8/Windows 10 In order to use the Access Point, you must first configure the TCP/IPv4connection of your Windows OS computer system.

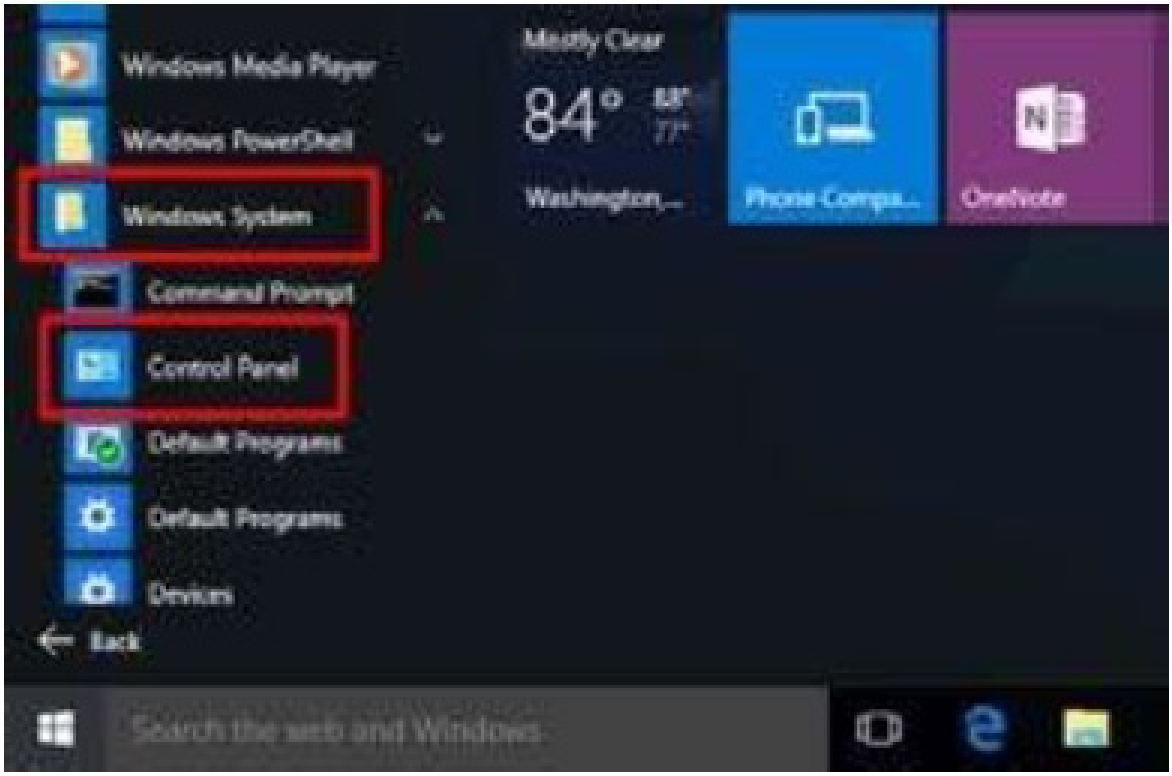
1. Click the Start button and open the Control Panel

WindowsXP

Windows7

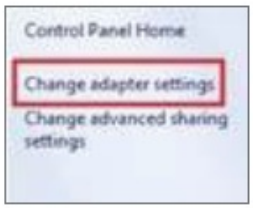
2. Move your mouse to the lower right hot corner to display the Charms Bar and select the Control Panel in Windows 8OS.

3. In Windows10, click Start to select All APP stoenter the folder of Windows system for selecting Control Pane

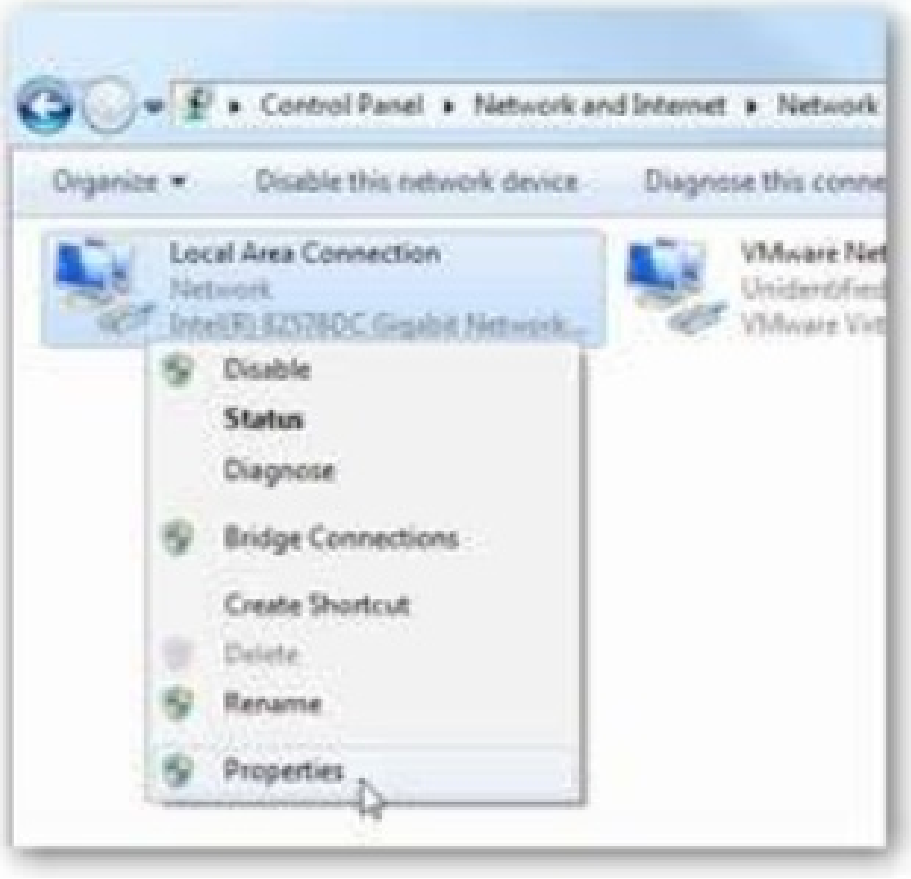


4. In Windows XP, click Network Connections.

5. In Windows7/Windows8/Windows10, click View Network Status and Tasks in the Network and Internetsection, then select Change adapter settings.



6. Right click on Local Area Connection and select Properties

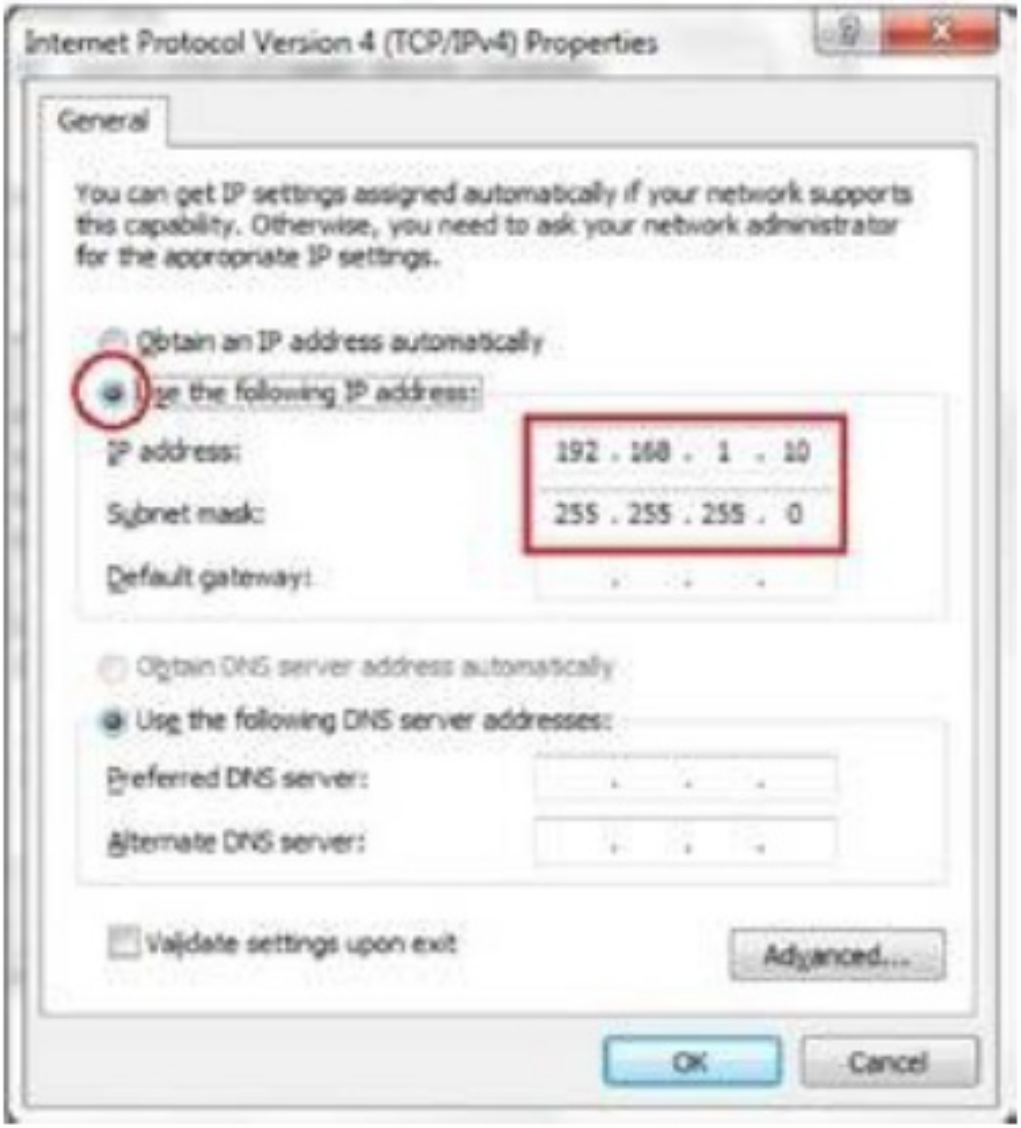


7. Select Internet Protocol Version 4 (TCP/IPv4) and then selectProperties

8. Select Use the following IP address and enter an IP address thatis different from the Access Point and Subnet mask, then click OK.

Note: Ensure that the IP address and Sub net maskare on the same subnet as the device.
For example: WAP385 IP address: 192.168.1.1 PC IP address: 192.168.1.2–192.168.1.255

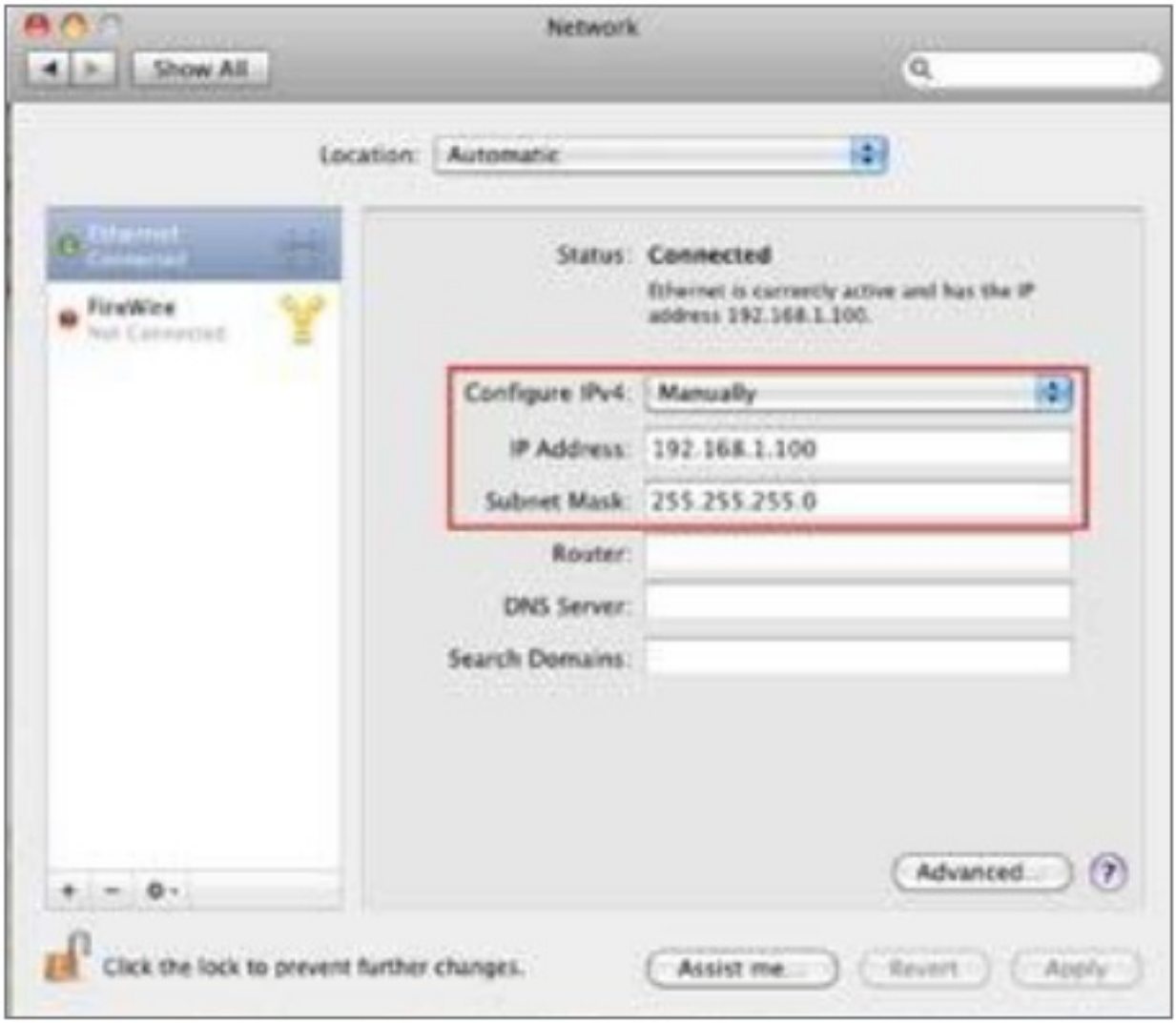
PC Subnet mask: 255.255.255.0



Apple Mac OSX

1. Go to System Preferences (Which can be opened in theApplications folder or selecting it in the Apple Menu).
2. Select Network in the Internet & Network section.

3. Highlight Ethernet.
4. In Configure IPv4, select Manually.
    1. Enter an IP address that is different from the Access Point andSubnet mask then press OK.
    2. **Note**: Ensure that the IP address and Subnet mask are on thesame subnet as the device.
    3. **For example**: A device IP address: 192.168.1.1 PCIPaddress:192.168.1.2–192.168.1.255
    4. **PCSubnetmask**: 255.255.255.0\
5. Click Apply when done



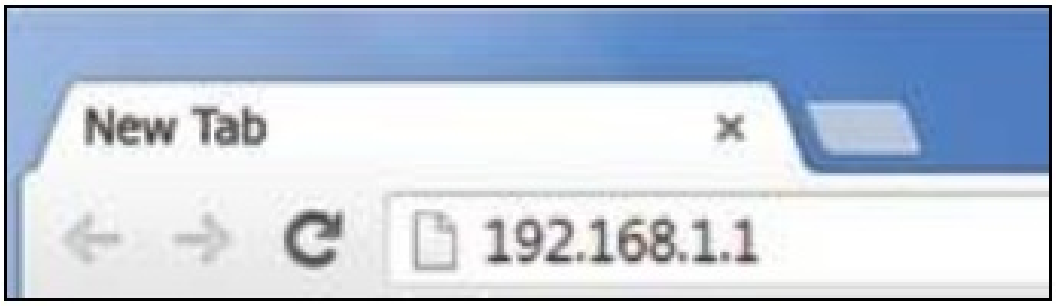
Configuring Your Access Point

Configuring Your Access Point
This section will show you how to configure the device using the web-based configuration interface.
Default Settings
Please use your Ethernet port or wireless network adapter to connect the Access Point.

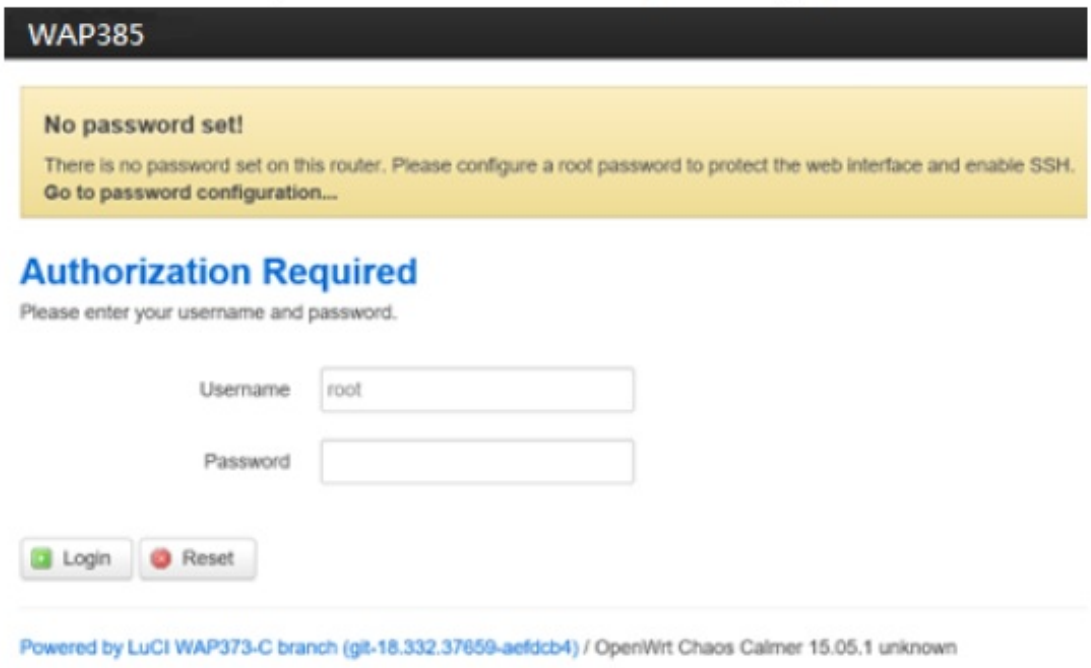
- IP Address192.168.1.1
- Username / Password none

Web Configuration

1. Open a web browser (Internet Explorer/Firefox/Safari/Chrome) and enter the IP Address **http://192.168.1.1**
   Note: If you have changed the default LAN IP Address of The Access Point, ensure you enter the correct IP Address



2. The default username and password are admin. Once you have entered the correct user name and password, click the Login button to open the web-base configuration page.



The model name will be varied by different models.

3. If successful, you will be logged in and see the User Menu of this Access Point.

FCC Interference Statement

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.

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.
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.

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. Country Code selection feature to be disabled for products marketed to the US/CANADA Operation of this device is restricted to indoor use only

Industry Canada Statement

This device complies with Canada license-exempt RSSs of the Industry Canada 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.

Caution:

1. the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 21cm between the radiator & your body.

Industry Canada Warning

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications

CE Interference Statement

EU Declaration of Conformity

- **EN60950-1**

  Safety of Information Technology Equipment
- **EN50385**

  Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz – 300 GHz)
- **EN 300 328**

  Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive
- **EN 301 893**

  Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive
- **EN 301 489-1**

  Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
- **EN 301 489-17**

  Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment
- This device is a 5GHz wideband transmission system (transceiver), intended for use in all EU member states

and EFTA countries, except in France and Italy where restrictive use applies In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services. This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France. The frequency and the maximum transmitted power in EU are listed below:

- **2412-2472MHz:** 17dBm
- **5150-5250 & 5725-5850MHz:** 18dBm

Hereby, [name of manufacturer], declares that this [type of equipment] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Documents / Resources

	meter MW08 Wireless Access Point [pdf] User Manual 2AVVV-MW08, 2AVVVMW08, mw08, MW08, MW08 Wireless Access Point, Wireless Access Point, Access Point, Point

Manuals+,