Quick Installation Guide
2.4GHz 150Mbps Outdoor Wireless Access Point

1 Connecting the Device
Please use only wired network connection to configure the AP.

- Locate a suitable mounting site for your CPE. To achieve the best performance of the device, please select an elevated location where trees, buildings and large steel structures will not obstruct the antenna signals and which offers maximum line-of-sight propagation for the devices.

- Adjust the direction of your CPE for a best signal. Place the straps through the slots on the back of the CPE and then around the pole. Tighten the straps.

- Connect one end of an Ethernet cable to the PoE port of the provided PoE and the other end of the Ethernet cable to the LAN port of the CPE. Then, connect the LAN port of the PoE to a PC using another Ethernet cable. Finally, plug the provided power adapter into the DC jack on the PoE, and the other end to a standard electrical wall socket.

- Turn on all your network devices and then check to see if the LEDs on the AP display normally as the diagram below describes.

- If you use two CPEs to build the network, please make sure that the two CPEs are placed face to face. Please refer to the Antenna Alignment to get the optimum signal.

2 Configuring the Computer
Assign a static IP address 192.168.0.100 for your computer first before logging in the management page. Here we take the procedures in Windows 7 for example.

- Go to Start > Settings > Control Panel, and then you will see the following page. Click View network status and tasks.

- Select Use the following IP address, enter 192.168.0.100 into the IP address field and 255.255.255.0 into the Subnet mask field.

- Click Change adapter settings, then click Properties.

- Right-click Local Area Connection, then click Properties.

- Select the Version 4 (TCP/IPv4) network adapter, click Properties, and then click Internet Protocol Version 4 (TCP/IPv4). Click Use the following IP address, enter 192.168.0.100 into the IP address field, and 255.255.255.0 into the Subnet mask field. Click OK to save the configuration for your computer.

- Please reconfigure your computer after successfully configuring the CPE. Select Obtain an IP address automatically and Obtain DNS server address automatically in step 5, then click OK.

3 Configuring the Device
Open your web browser, type in http://192.168.0.254 in the address field and press Enter.

- A dialog box will prompt you for the User name and Password. Enter the default values (both are admin) and click OK.

- If the dialog box does not pop up, please refer to T2 in the Appendix 2: Troubleshooting. Also, T2 will give you some help if you forget the password.

- If the device has been restored, the Welcome page will appear; please read the TERMS OF USE carefully. Then select I agree to those terms of use and click Login to continue.

- The web management page will display after your successful login. Click Quick Setup in the main menu.

- Then the page below will appear. Click Next.

- Select the Operation Mode Type according to your needs. Click Next:

a) If you want to set up a point-to-point connection with TL-WA7210N, please skip to Configuration for Point-to-Point Connection. In this part, you will learn about the configuration for Access Point and Client mode.

b) If you want to set the CPE to the Bridge with AP mode, please skip to Configuration for Bridge with AP.

For configuration for other modes of TL-WA7210N, please refer to the User Guide in the resource CD.

(To be continued...)
The Client Setting

1. Con/f_igure the External Antenna
Products for outdoor solution. You could choose TL-ANT2424B (external antenna) and connect it to the RP-SMA port of your CPE directly.

2. The AP Setting

Appendix 1: External Antenna Installation

External Antenna Connection
If you have an external antenna with the RP-SMA(female) port, you could connect to it from the RP-SMA port of your CPE directly.

The Client Setting
3. Con/f_igure the External Antenna
If you don’t have any external antennas, you are recommended to use TP-LINK products for outdoor solution. You could choose TL-ANT2424B (external antenna), TL-ANT24SP (Surge Protector), and TL-ANT200PT (Pigtail Cable) to connect as the following steps:

2. A dialog box will prompt you for the User name and Password. Enter the default values (both are admin) and click OK.
3. Configure the External Antenna. Click Wireless > Wireless Advanced, select External Antenna, then click Save.

Appendix 2: Troubleshooting

T1. How do I restore my AP's configuration to its factory default settings?
With the AP powered on, press and hold the RESET button for about 8 seconds before releasing it.
Once the AP is reset, the current configuration settings will be lost and you will need to reconfigure the router.

T2. What can I do if I cannot access the web-based configuration page?
1) Restore the AP's configuration to its factory default settings. If you don’t know how to do that, please refer to previous section T1.
2) Use the default user name and password: admin, admin.
3) Try to reconfigure your AP by following the instructions of this QIG.

Restore the AP’s configuration to its factory default settings according to previous section T1, then assign a static IP address 192.168.1.100 for your computer following the steps below or referring to Configuring the Computer.

For Windows 7 OS
Go to Start > Control Panel > View network status and tasks > Change adapter settings, right-click Local Area Connection, select Properties and then double-click Internet Protocol Version 4 (TCP/IPv4). Select the following IP address, enter 192.168.1.100 into the IP address field, 255.255.255.0 into the Subnet mask field, and then click Finish/Reboot button to make all configurations take effect. If anything is wrong, please go BACK to reset.

For Windows XP OS
Go to Start > Control Panel > Network and Internet Connections > Network Connections, right-click Local Area Connection, select Properties and then double-click Internet Protocol (TCP/IPv4). Select the following IP address, enter 192.168.1.100 into the IP address field, 255.255.255.0 into the Subnet mask field, and then click Finish/Reboot button to make all configurations take effect. If anything is wrong, please go BACK to reset.

Technical Support

For more troubleshooting help, please visit http://www.tp-link.com/support/faq.

Appendix 1: External Antenna Installation

External Antenna Connection

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If you don’t have any external antennas, you are recommended to use TP-LINK products for outdoor solution. You could choose TL-ANT2424B (internal antenna), TL-ANT24SP (Surge Protector), and TL-ANT200PT (Pigtail Cable) to connect as the following steps:

1. Connect one side of the TL-ANT24SP to the TL-ANT2424B.
2. Connect the other side of the TL-ANT24SP through the TL-ANT200PT.

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3. Change LAN IP Address of the Client from 192.168.254.254 to 192.168.0.X (X can be any number from 2 to 253) to avoid an IP conflict with the first AP. Here we take 192.168.0.2 for example. Click Next.

4. Please confirm the configurations you have set, then click Finish/Reboot button to make all configurations take effect. If anything is wrong, please go BACK to reset.

Antenna Alignment

After basic configuration of operation mode, click Wireless > Antenna Alignment, you can change your CPE’s direction according to the parameters shown in this page to get a better signal strength.

Configuration for Bridge AP

Select Bridge AP for the Operation Mode, then click Next.

2. Click Survey button to scan the wireless networks, choose the remote AP that you want to combine with, enter the password of the remote network, then click Next.

3. Create a name for the Local Wireless Network. The security settings for the local network will be the same as the remote AP by default. Click Next.