

# Wireless Access Point, Client Bridge

## Quick Start Guide >>

ANSEL 2012 is a long range outdoor wireless Access Point / Client Bridge that operates in both **5GHz and 2.4GHz** frequency. It provides high bandwidth up to 54Mbps and features dual polarization antenna with high transmitted output power as well as superior sensitivity. ANSEL 2012 extends radio coverage, avoids unnecessary roaming between Access Points and ensures a stable wireless connection while reduces the number of required equipments.

ANSEL 2012 provides user friendly interface including user friendly distance control ranges from 1KM up to 30KM and RSSI LED indicator offering real time signal status. It comes with PoE injector for convenient outdoor installation.

ANSEL 2012 enforces transmission security with full support of latest encryption mechanism including 64/128/152-bit WEP, WPA and WPA2. With 13dBi internal antenna and superior performance, ANSEL 2012 makes an optimal wireless solution for both small and large scale projects.



## IP Address Configuration

The default IP address of the device is **192.168.1.1**. In order to log into this device, you must first configure the TCP/IP settings of your PC/Notebook.

1. In the control panel, double click Network Connections and then double click on the connection of your Network Interface Card (NIC). You will then see the following screen.
2. Select Internet Protocol (TCP/IP) and then click on the Properties button. This will allow you to configure the TCP/IP settings of your PC/Notebook.
3. Select Use the following IP Address radio button and then enter the IP address (192.168.1.21) and subnet mask (255.255.255.0). Ensure that the IP address and subnet mask are on the same subnet as the device.
4. Click on the OK button to close this window, and once again to close LAN properties window

## Logging In

1. To configure the device through the web-browser, enter the IP address of the Bridge (default: 192.168.1.1) into the

address bar of the web-browser and press Enter.

2. After connecting to the IP address, the web-browser will display the login page. Specify admin as the default User Name and Password, and then click on the Login button.



## Administration

1. Click on the **Administration** link under the Management section. This option allows you to create a new user name and password for the device. For security it is highly recommended for security reasons.

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2. Name: Specify a user name into the first field.
3. Password: Specify a password into this field and then re-type the password into the Confirm Password field. Then click on the Apply button.
4. Click on the Apply button to save the changes.
6. DNS: Specify the IP address of the DNS.
7. Click on the Apply button to save the changes.

**Note:** If you change the IP address here, you may need to adjust your PC's network settings to access the network again.

## System Properties

1. Click on the System Properties link on the System section. This feature allows you to configure the device as an Access Point or Client Bridge.
2. Device Name: Specify a name for the device – this is not the SSID.
3. Country/Region: Select the region from the drop-down list.
4. Operation Mode: Select Client Bridge, Access Point, Client Router, WDS Bridge radio button.
5. Click on the Apply button to save the changes.

## IP Settings

1. Click on the IP Settings link on the System section. This feature allows you to configure the LAN interface using a static IP address or as a DHCP client. This IP address is also used to access the web-based interface.
2. IP Network Setting: Select Obtain an IP address automatically (DHCP) radio button if the Access Point is connected to a DHCP server. This will allow the Access Point to pass IP addresses to the clients associated with it. Or you may select Specify an IP Address radio button if you would like the device to use a static IP address. In this case, you would be required to specify an IP address, subnet mask, default Gateway IP address and DNS.
3. IP Address: Specify an IP address
4. IP Subnet Mask: Specify the subnet mask for the IP address
5. Default Gateway: Specify the IP address of the default gateway.

## Wireless Network & Security

1. Click on the Wireless Network link on the Wireless section. This feature allows you to configure the wireless mode, channel, SSID, and security settings.
2. Wireless Mode: Depending on the type of wireless clients that are connected to the network, you may select A, B, G, B/G-mixed.
3. Channel: Select a channel from the drop-down list. The channels are based on the country's regulation.
4. You may configure up to four different wireless profiles. Click on the Edit button to modify the profile and place a check in the Enable box to activate the profile.
5. SSID: The SSID is named shared amongst all the points of the wireless network. The SSID cannot exceed 32 characters.
6. VLAN ID: If you have enabled VLAN tagging on your network, specify the VLAN tag ID.
7. Suppressed SSID: Place a check in this box if you would like to hide the SSID. By enabling this feature, wireless clients will not be able to watch the SSID of this access point in a site survey.
8. Station Separator: This is also known as layer 2 isolation. Clients connected to this Access Point will not be able to directly communicate with each other.
9. Security Mode: By default, the security is disabled. Refer to the user's Manual to configure the security features such as WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, WPA-Mixed and WPA-PSK Mixed.
10. Click on the Apply button to save the changes.