EDIMAX
NETWORKING PEOPLE TOGETHER

OAP1300

Инструкция по быстрой установке

03-2018 / v1.0

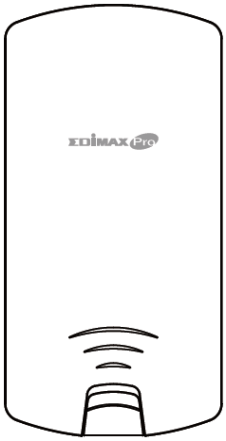
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Email: support@edimax.com.tw

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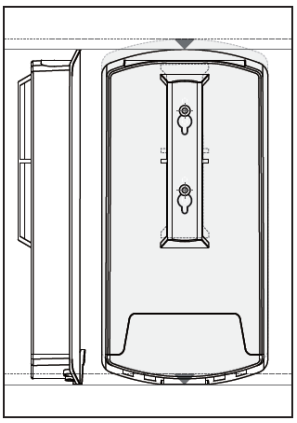
Edimax Computer Company
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I Информация о продукте

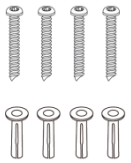
I-1 Состав комплекта



1



2



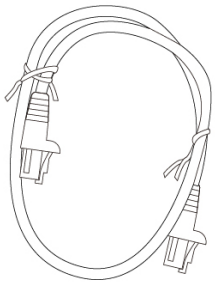
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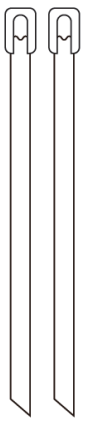
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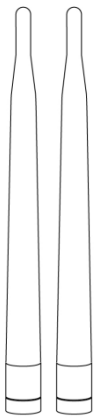
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6



7



8

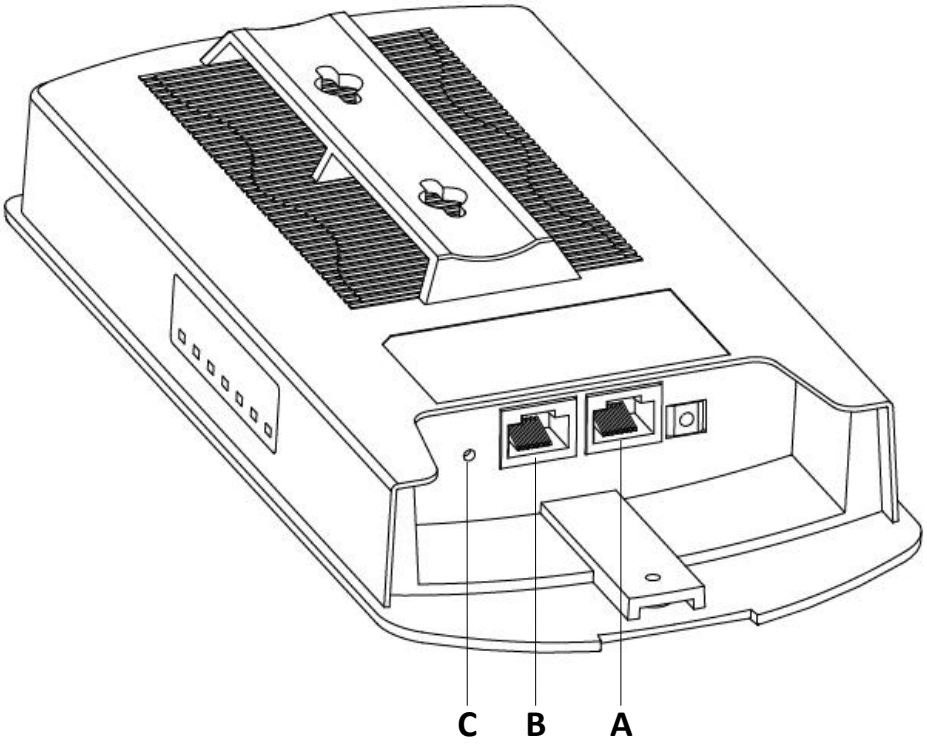
1. OAP1300 точка доступа
2. Шаблон для настенного монтажа
3. Набор крепежа для стены
4. CD диск
5. Инструкция по быстрой установке
6. Сетевой кабель
7. Набор крепежа для штанги x2
8. Антенны x2

I-2 Системные требования

- Маршрутизатор
- Компьютер с веб браузером для конфигурации ТД

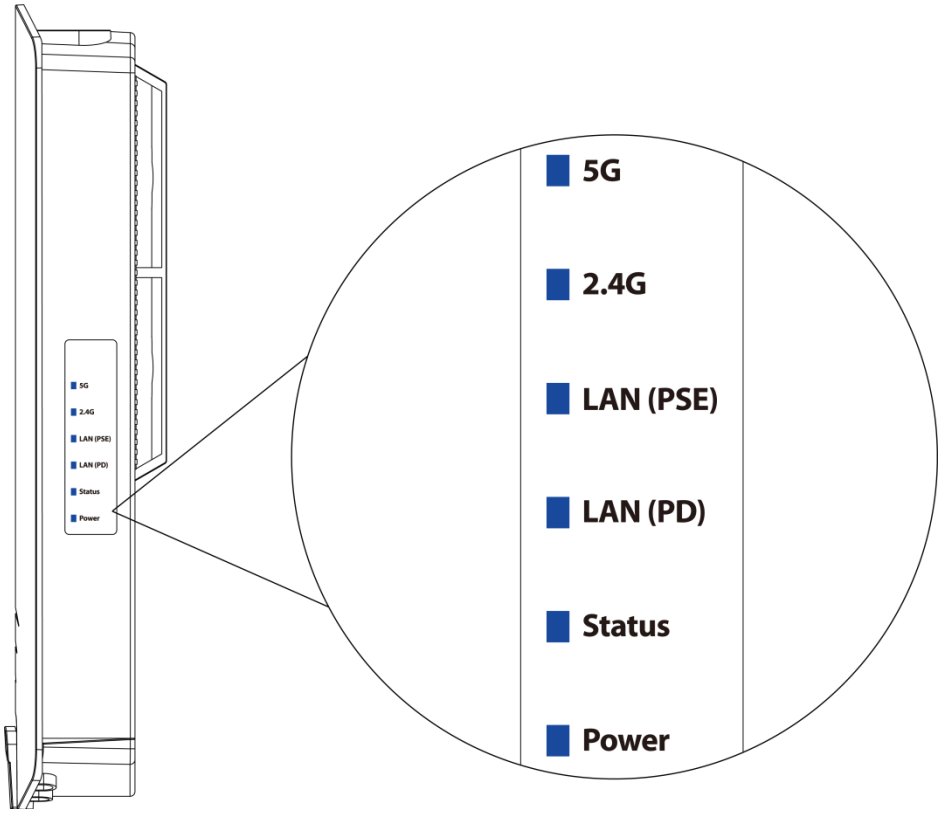
I-3 Физические интерфейсы

Порты и кнопки



A	LAN 1 POE-IN	Сетевой порт с поддержкой PoE IN, для питания ТД
B	LAN 2 POE-OUT	Сетевой порт с PoE OUT поддержкой
C	Сброс настроек	Кнопка для сброса настроек

I-4 LED статус



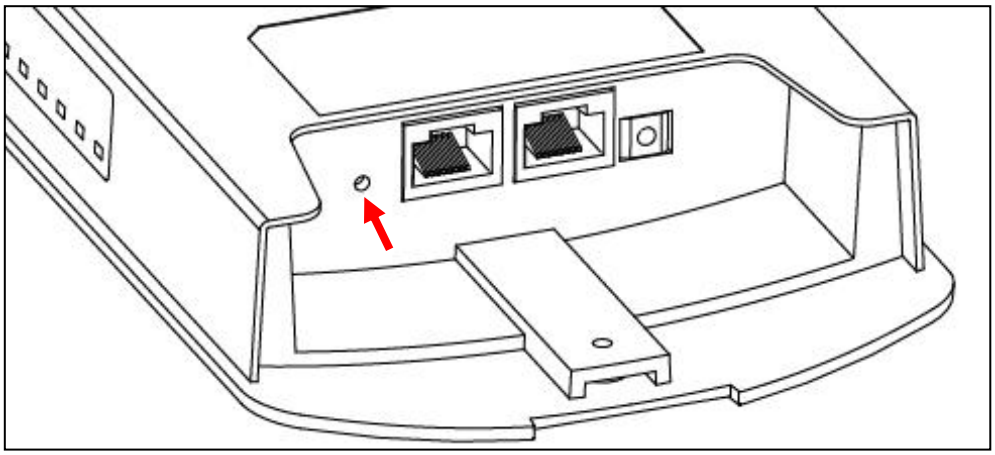
LED	LED статус	Описание
5G (WLAN)	Горит	Беспроводная сеть включена.
	Не горит	Беспроводная сеть отключена.
2.4G (WLAN)	Горит	Беспроводная сеть включена.
	Не горит	Беспроводная сеть отключена.
LAN (PSE)	Горит	LAN подключен.
	Мигает	Активность (передача данных).
	Не горит	LAN порт отключен.
LAN (PD)	Горит	LAN подключен.
	Мигает	Активность (передача данных).
	Не горит	LAN порт отключен.
Статус	Горит	Точка загружается.
	Не горит	Нет ошибок.
Питания	Горит	ТД включена.
	Мигает	Обновляется прошивка.
	Не горит	ТД выключена

I-5 Кнопка Reset

Если у вас возникли проблемы с точкой доступа, вы можете сбросить настройки в заводские.

1. Нажмите и удерживайте кнопку reset не менее 10 секунд. Затем отпустите кнопку.

вам нужно воспользоваться скрепкой или другим тонким предметом, чтобы нажать на кнопку reset.



2. Подождите перезапуска точки доступа. Точка доступа будет готова к работе, когда LED индикатор загорится **синим**.

II Быстрая установка

Точка доступа работает в режимах: точка доступа (**AP Mode**), ретранслятор (**Repeater Mode**), подконтрольно контроллеру (**Managed AP Mode**), мост для клиента (**Client Bridge Mode**).

выполните шаги по умолчанию, указанные ниже, и выберите нужный режим работы.

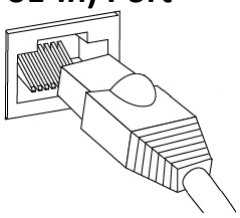
II-1 Режим по умолчанию: точка доступа

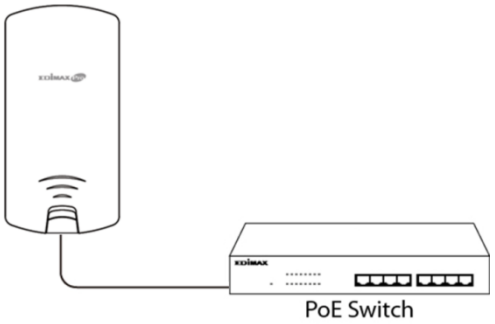
1. Установите IP адрес вашего компьютера на **192.168.2.x** где **x** это цифра от **3 – 100**. Если вы не знаете как это сделать, посмотрите руководство пользователя.

Убедитесь, что на вашем компьютере нет других активных сетевых подключений, отключив Wi-Fi и другие соединения Ethernet.

2. Подключите сетевой кабель к порту **LAN 1 (PoE-In)** на ТД и запитайте ТД через PoE коммутатор или инжектор.

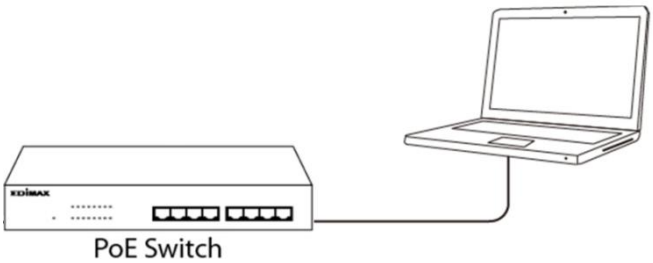
LAN 1 (PoE-In) Port



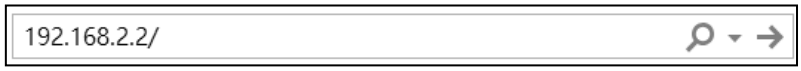


3. Подождите немного, чтобы устройство запустилось. Устройство готово, когда индикатор питания горит синим цветом.

4. Ваш компьютер должен быт подключен к тоже самой сети.



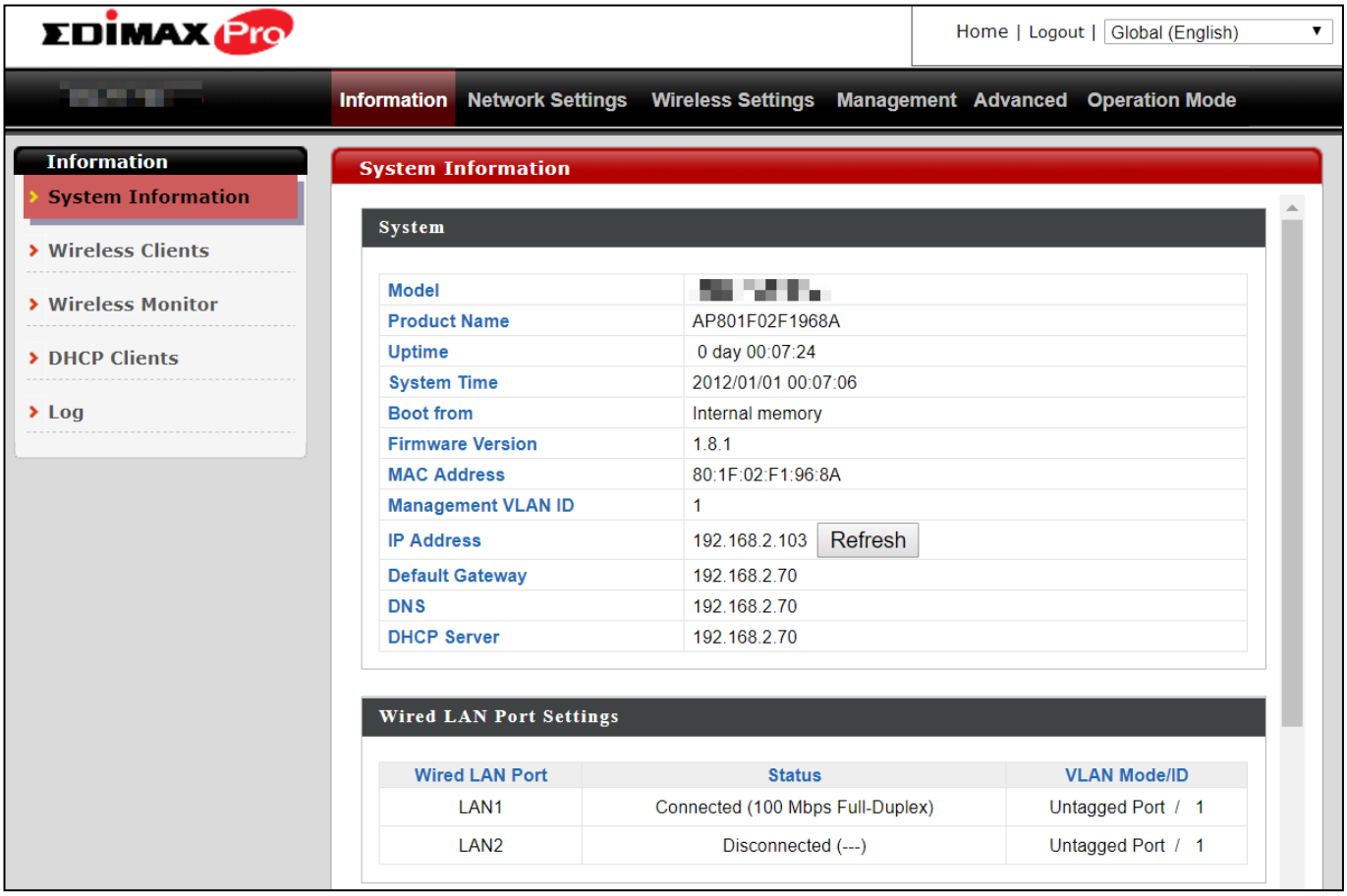
5. Откройте браузер и наберите IP адрес 192.168.2.2 .



6. Вас запросит ввести логин и пароль. По умолчанию логин “**admin**” пароль “**1234**”.

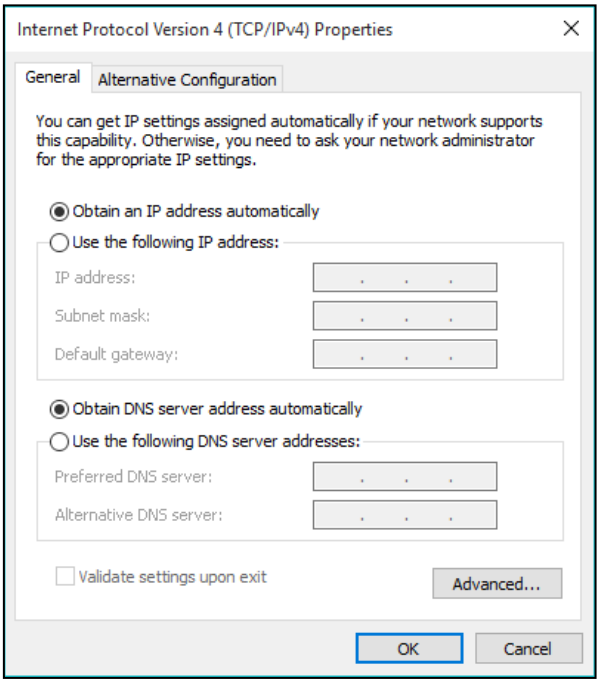


7. Окно “системная информация” появиться на экране:

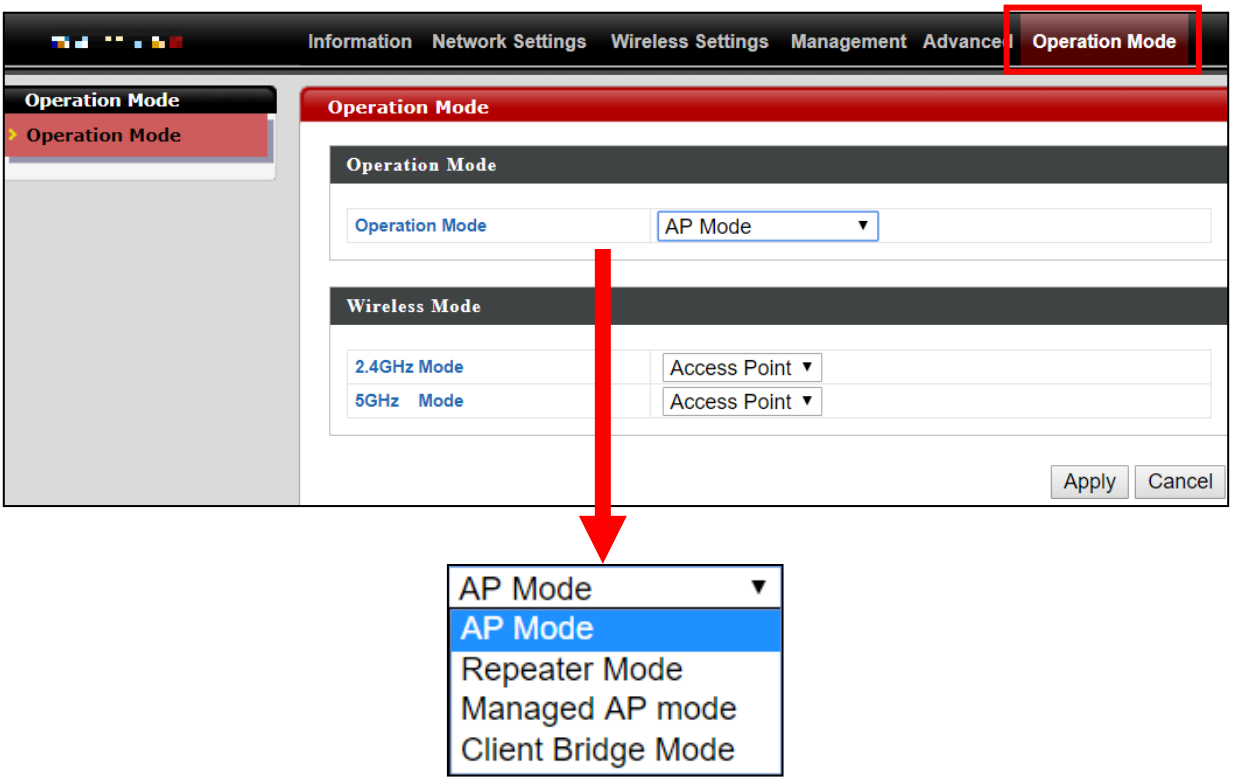


8. По умолчанию, точка в режиме Точка доступа.

Если вы не хотите менять режим работы, переключите компьютер обратно на динамический IP-адрес.



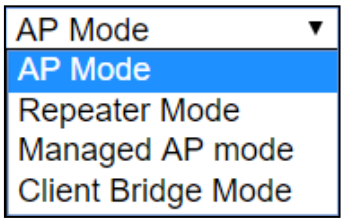
9. Если вы хотите изменить режим, пройдите “Operation Mode” и выберите режим который нужен для вас. Пройдите пошаговую меню для замены режима работы.



II-2 Режим ретранслятора

Из меню,

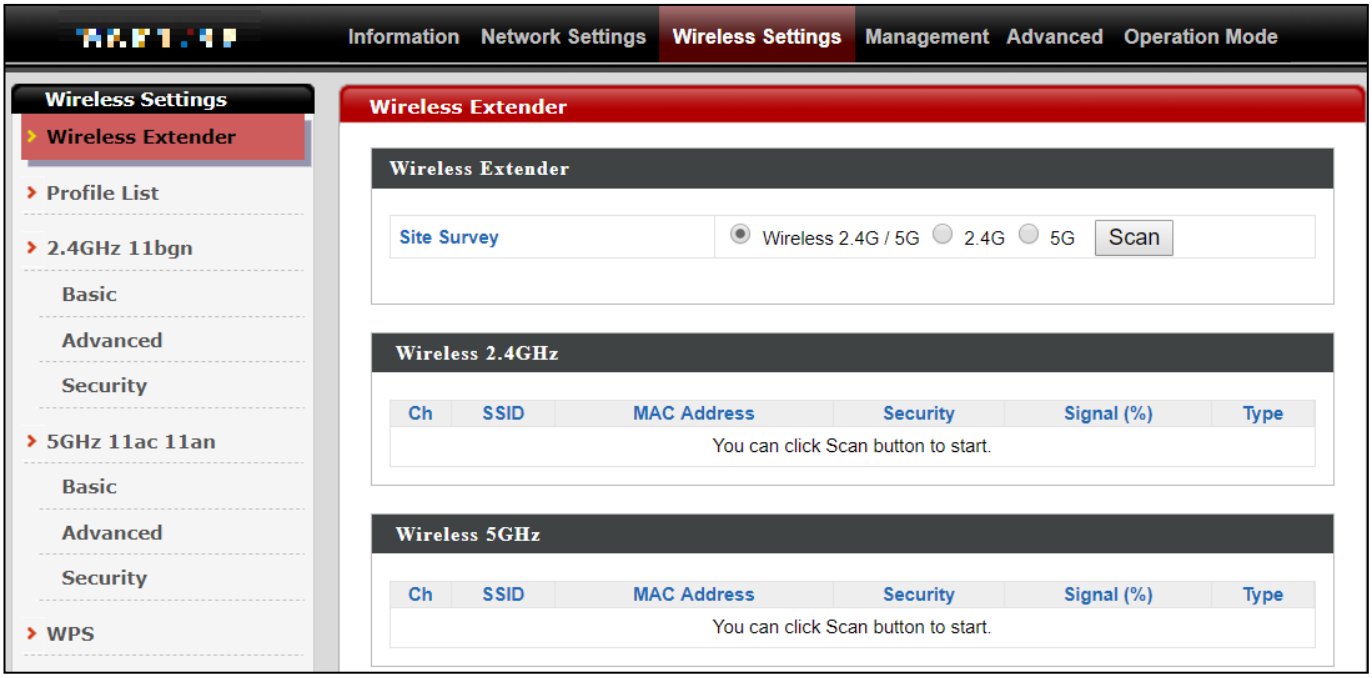
1. Выберите режим Ретранслятора:



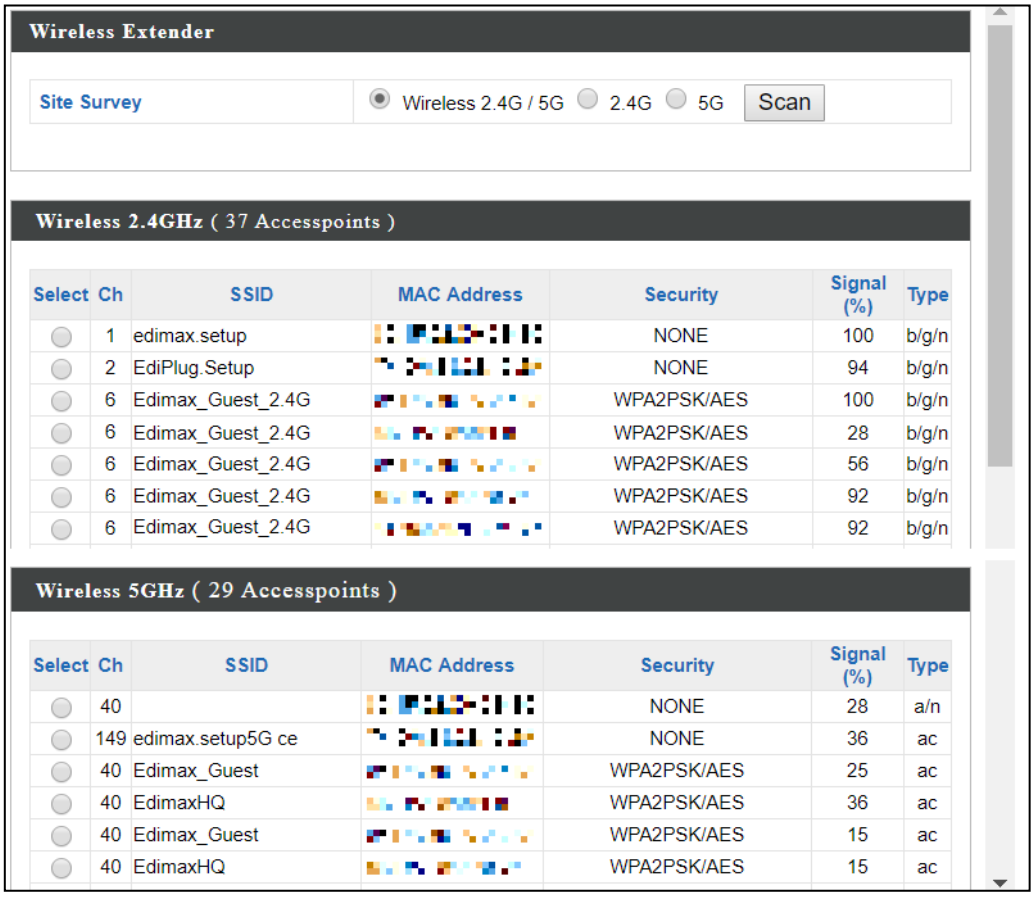
2. Нажмите “Apply” и подождите пока устройство перезагрузится в режим Ретранслятора:



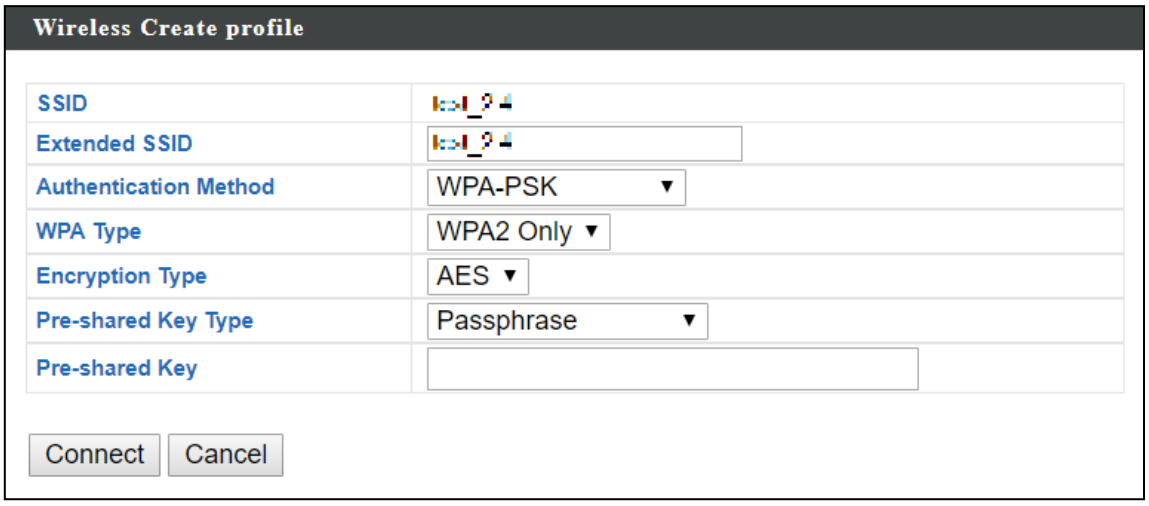
3. Страница с системно информацией появится на экране, пройдите **Wireless Settings → Wireless Extender**.



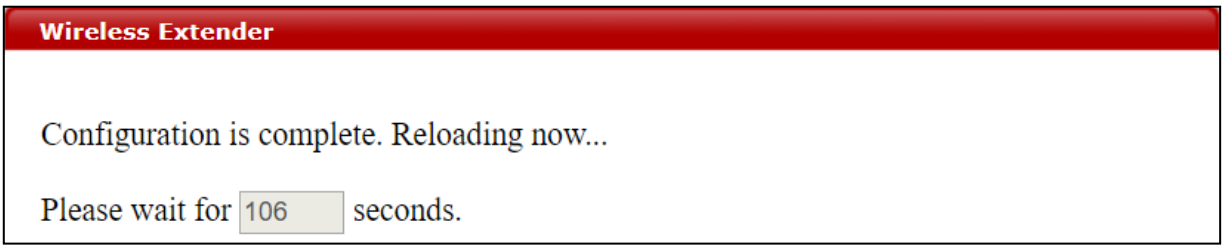
4. Нажмите Scan для сканирование беспроводной сети SSIDs



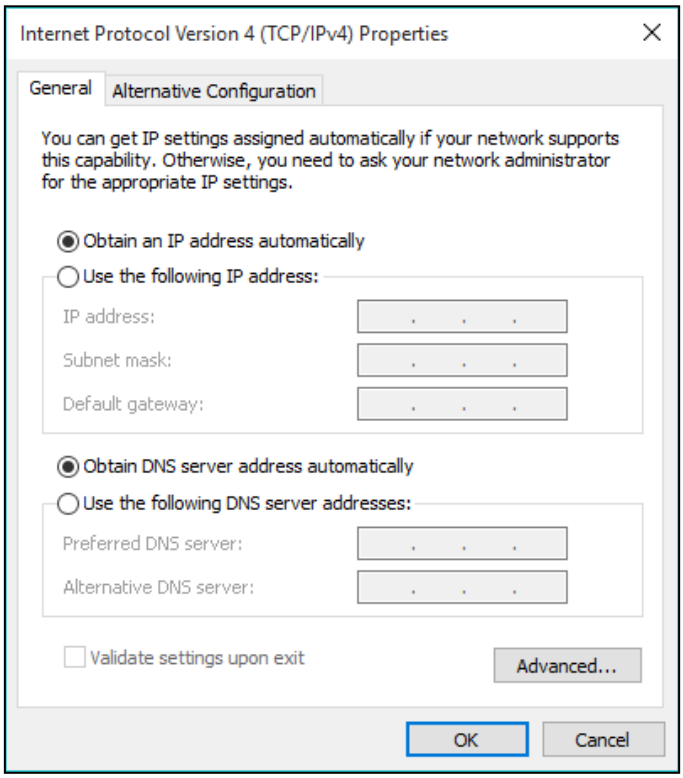
5. Нажмите на круглую икону той сети к которой хотите подключится. Сети для каждого диапазона можно настроит отдельно. 2.4ГГц и 5ГГц.



6. Сделайте настройки новой беспроводной сети для расширения сети и введите пароль для подключения (e.g. Pre-shared Key). Нажмите “Connect” .
Wait for the configuration to take effect:



7. Сейчас устройство в режиме ретранслятора (now in Repeater Mode) установит соединение с исходным SSID (беспроводная сеть) и повторит расширенный SSID. Устройство станет DHCP-клиентом маршрутизатора / корневого AP. Переключите компьютер на динамический IP-адрес.

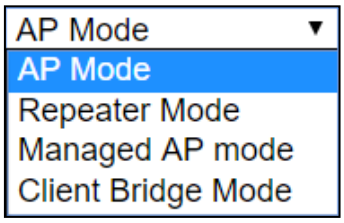


Если вы хотите переключить режим работы, пожалуйста, сбросьте устройство на заводские настройки (через веб-интерфейс пользователя или аппаратный сброс).

II-3 Режим моста

В меню режимов,

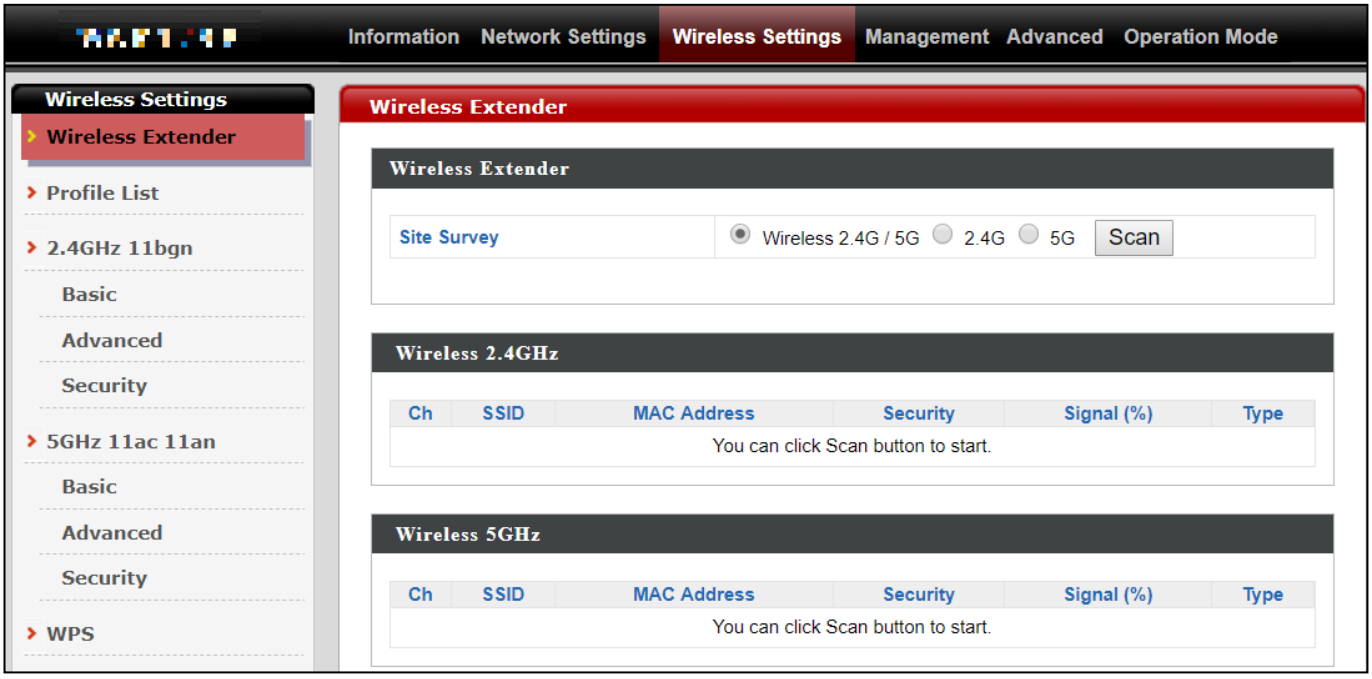
1. Выберите режим Мост из режимов в меню:



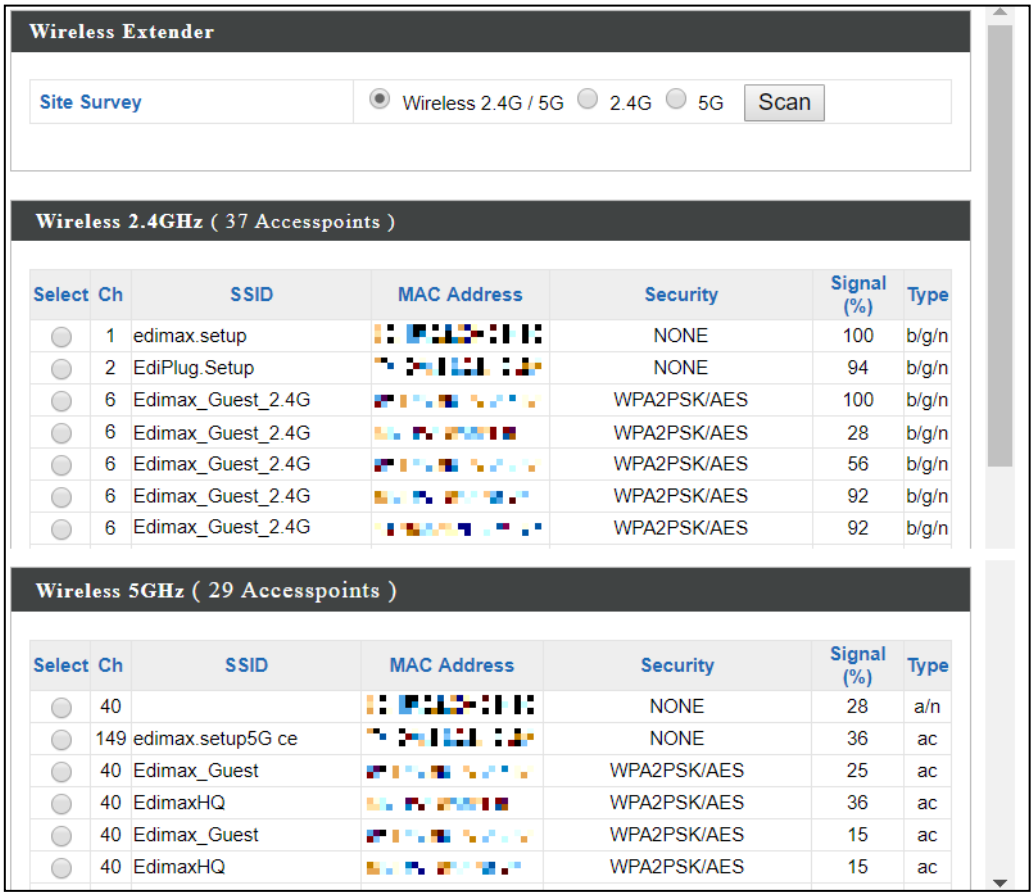
2. Нажмите “Apply” и подождите пока ТД перезагрузиться в режим Мост:



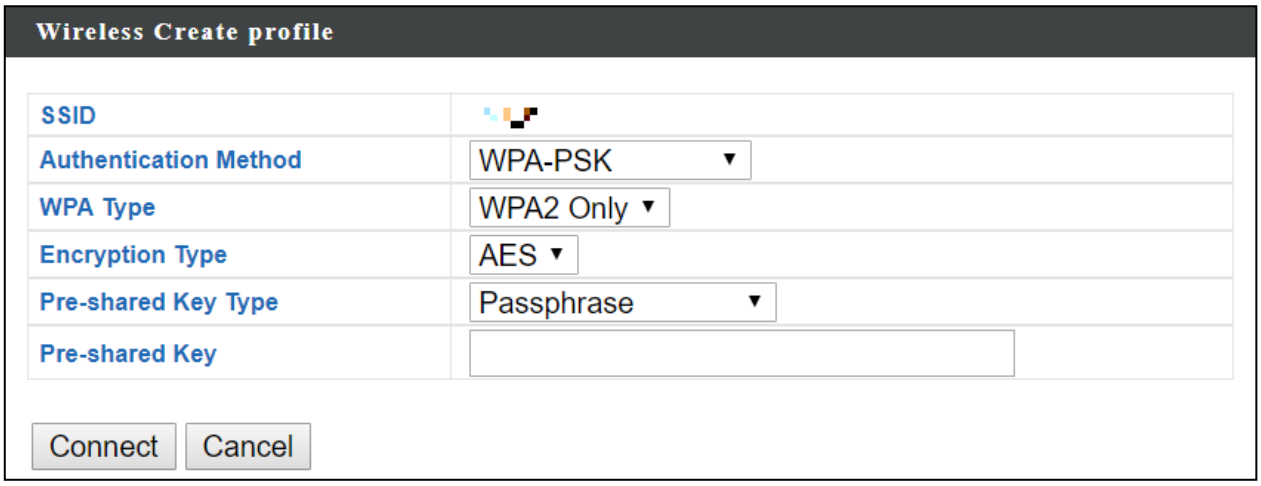
3. Страница с системно информацией появится на экране, пройдите **Wireless Settings → Wireless Extender**.



4. Нажмите Scan для сканирование беспроводной сети SSIDs

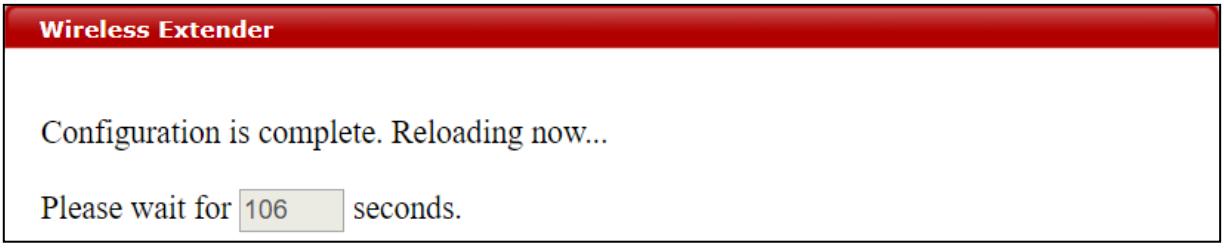


5. Нажмите на круглую икону той сети к которой хотите подключится. Сети для каждого диапазона можно настроит отдельно. 2.4ГГц и 5ГГц.

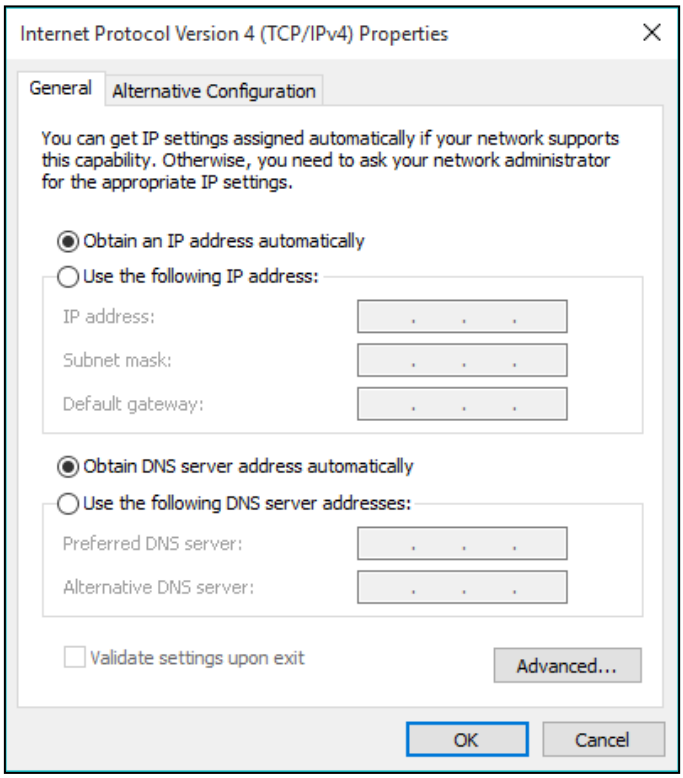


6. Выберите настройки и введите подключение к вашей выбранной сети. Нужно ввести пароль SSID (e.g. Pre-shared Key). Нажмите “Connect” для продолжения.

Подождите пока установки заработает:



7. Точка доступа (now in Client Bridge Mode) получить сеть через Беспроводной Wifi и подключить устройство соединенного по сетевому кабелю. Устройство станет DHCP-клиентом маршрутизатора / корневого AP. Переключите компьютер на динамический IP-адрес.



8. Чтобы получить доступ к веб-интерфейсу пользователя, проверьте настройки вашего маршрутизатора / корневой точки доступа, чтобы определить новый IP-адрес устройства. Введите новый IP-адрес в браузер для веб-интерфейса пользователя.

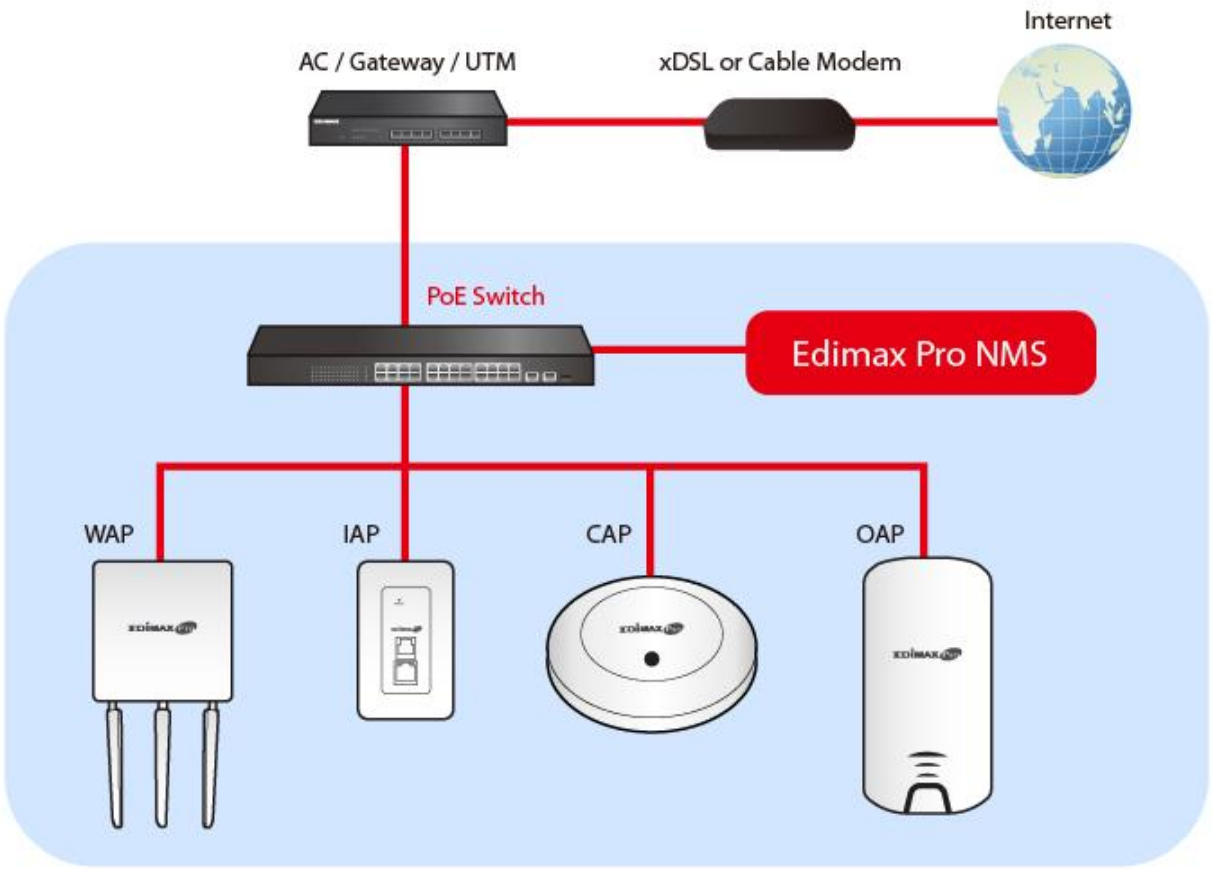
II-4 Режим управляемой ТД: Edimax PRO NMS

Контроллер ТД

Edimax Pro Network Management Suite (NMS) поддерживает центральное управление группой точек доступа, иначе известно как массив ТД.

Все управляеться через контроллер, это может быт льюбая из точек доступа или контроллер.

Диаграмма показана в низу:

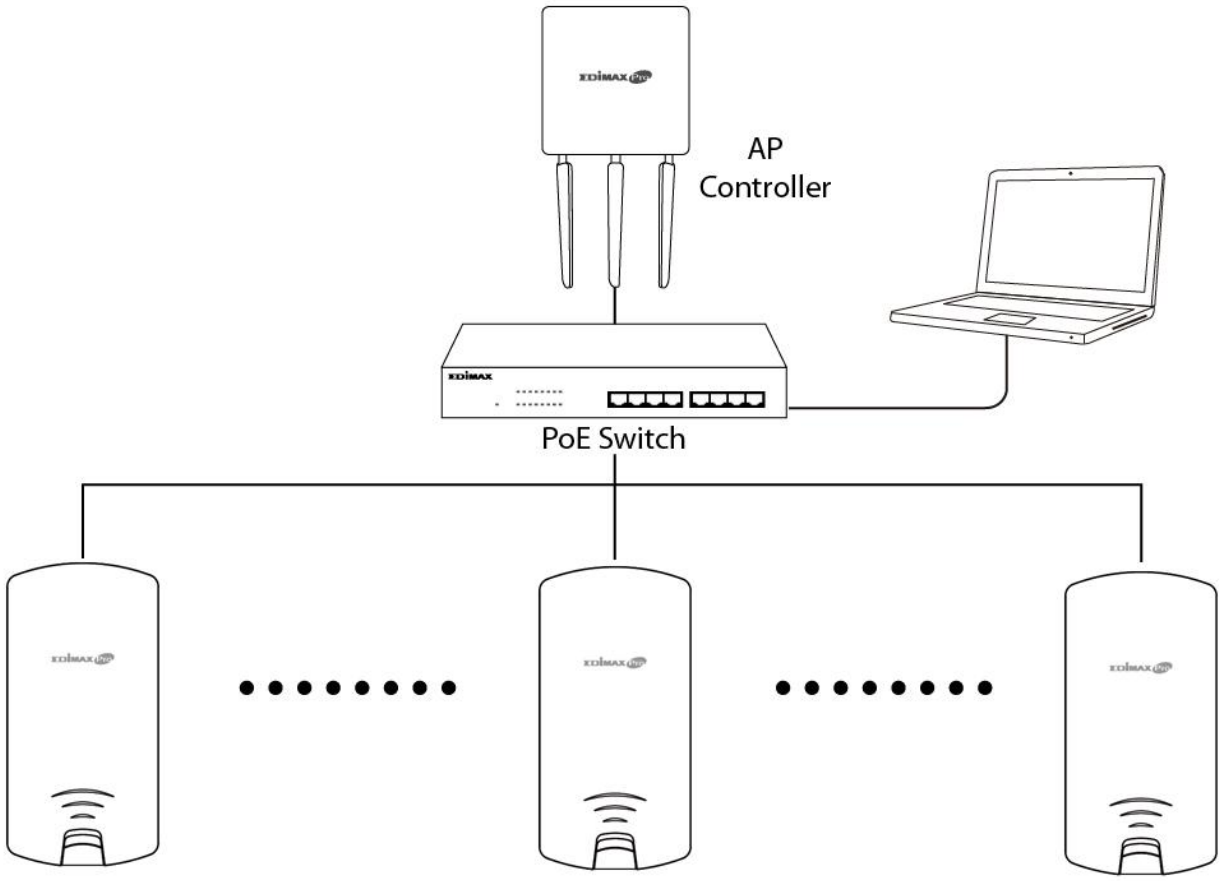


По умолчанию точка доступа автоматически переключить режим, если контроллер присутствует в сети.

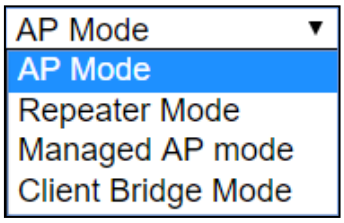
Вы можете в ручную поменять режим на “Managed AP Mode”:

Убедитесь, что у вас есть последняя прошивка с сайта Edimax для ваших продуктов Edimax Pro.

1. Убедитесь что ваша ТД подключена к коммутатору которому тоже подключен контроллер.



2. Выберите режим Managed AP Mode:



3. Нажмите “Apply” и подождите пока ТД перезагрузиться в режим Managed AP Mode:



Подождите пару минут для синхронизации настроек.

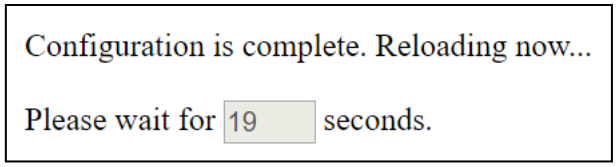
II-5 Basic Settings (настройки)

Basic settings настройки на ТД:

- ***LAN IP адрес; и***
- ***2.4ГГц и 5ГГц SSID и безопасность; и***
- ***Имя администратора и пароль; и***
- ***Время и дата***

Рекомендуется, чтобы эти настройки были настроены до использования точки доступа.

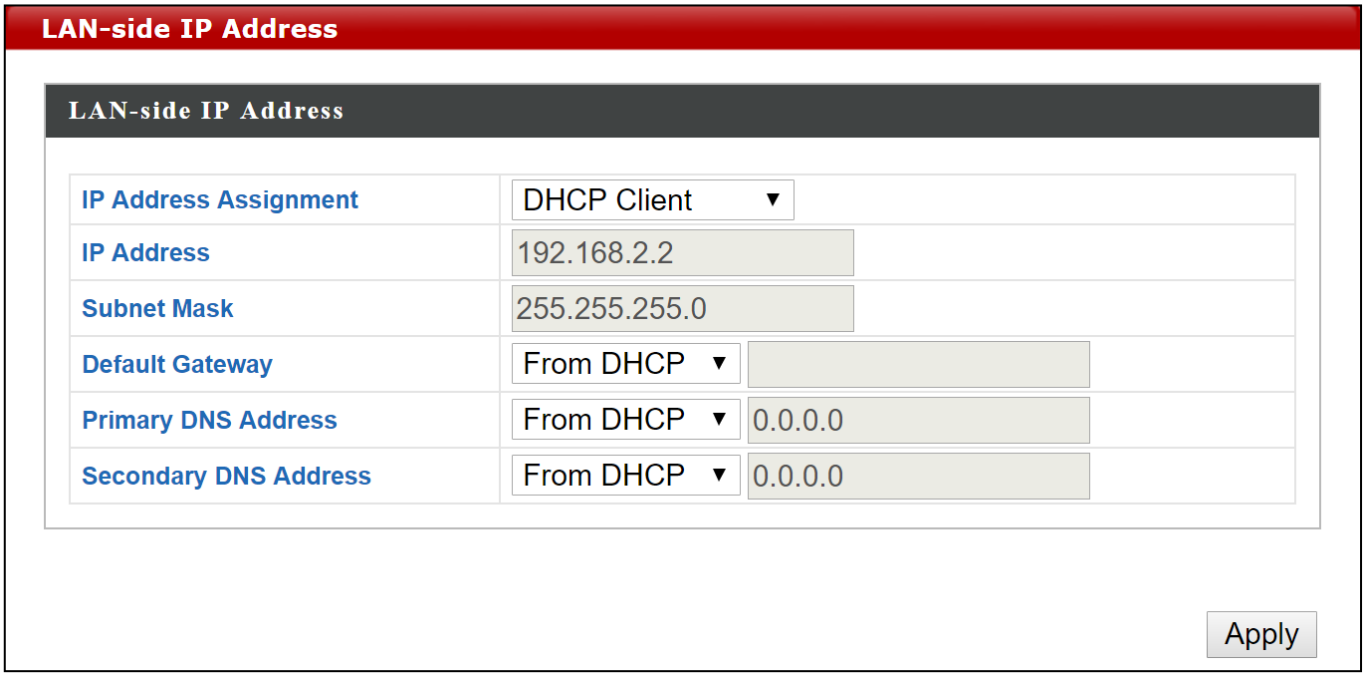
Всякий раз, когда новая настройки применяется к точке доступа, веб-страница перезагружается, как показано ниже:



Инструкции поможет вам с конфигурацией:

Замена IP адреса:

1. Пройдите **“Network Settings” > “LAN-side IP Address”** как показано на экране:



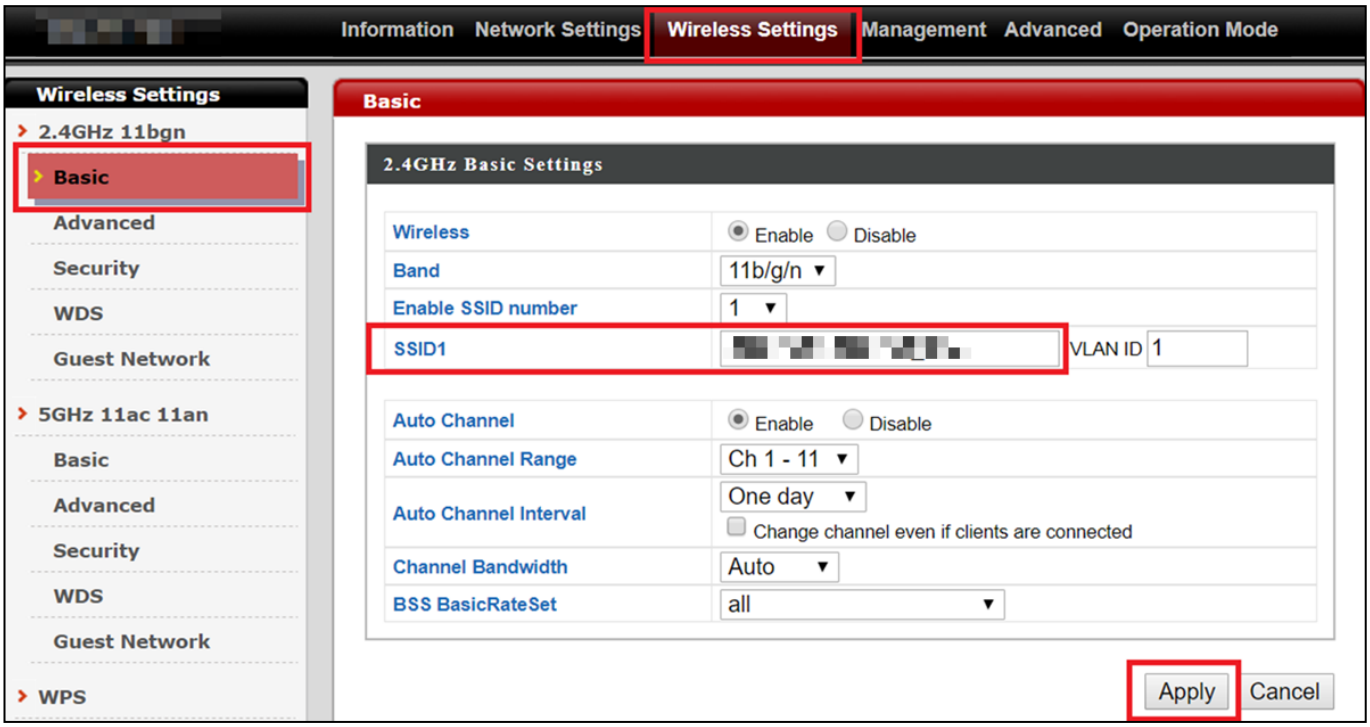
2. Введите настройки IP адреса которые вы хотите использовать на ТД. Вы можете выбрать динамический (DHCP) или статический IP адрес. Нажмите “Apply” для сохранения изменений и подождите несколько минут.

При изменении IP-адреса точки доступа вам необходимо использовать новый IP-адрес для доступа к интерфейсу конфигурации на основе браузера, а не по умолчанию *IP* *192.168.2.2.*

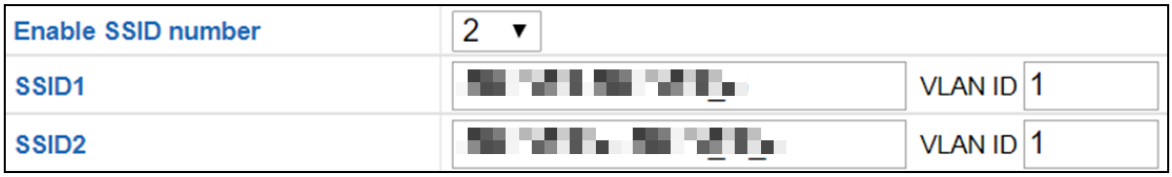
Замена SSID для 2.4ГГц беспроводной сети

1. Пройдите **“Wireless Settings” > “2.4GHz 11bgn” > “Basic”**.

2. Введите новый SSID для 2.4ГГц беспроводной сети в колонке “SSID1” и нажмите “Apply”.

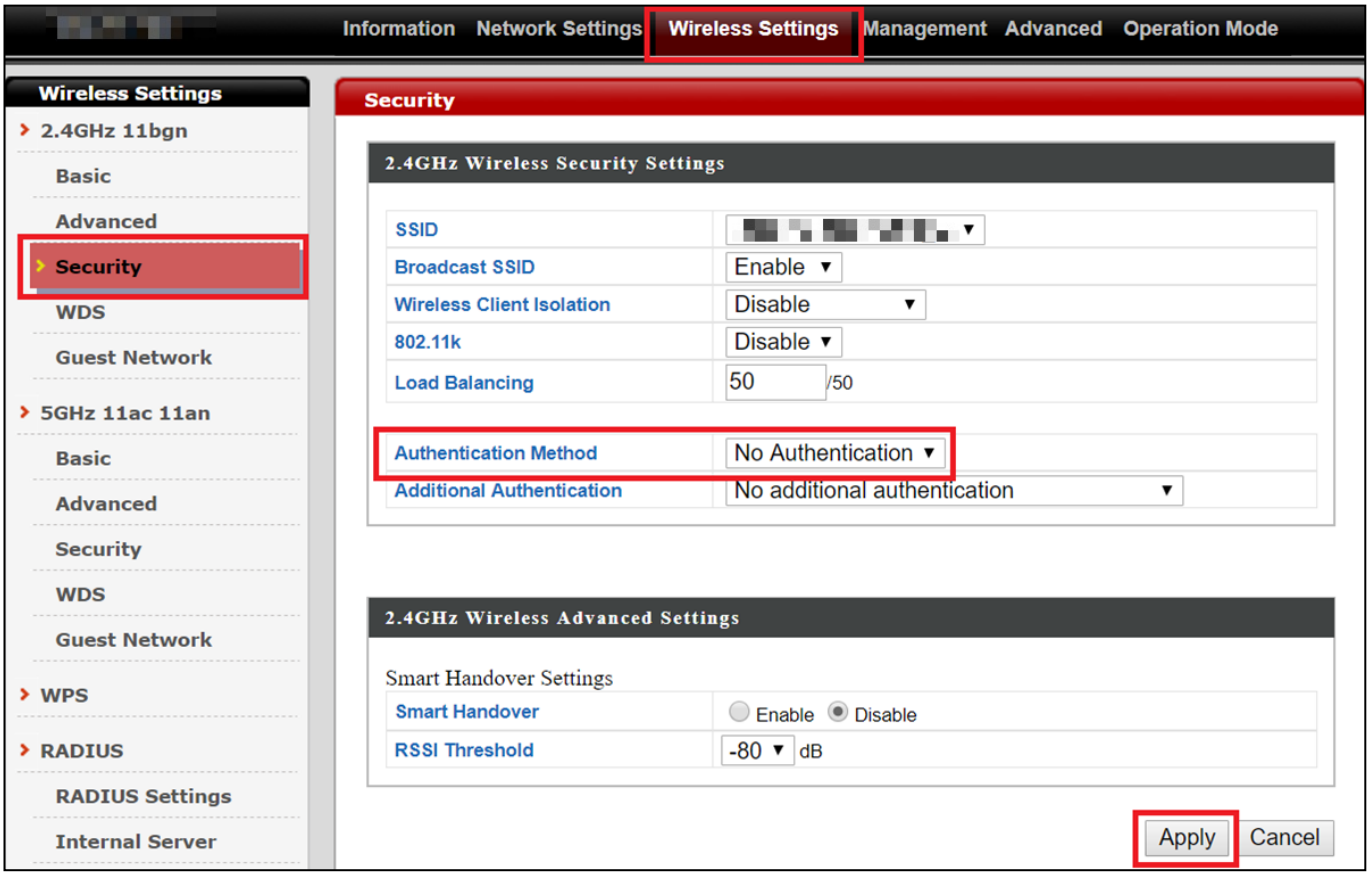


для несколько 2.4ГГц SSIDs, откройте меню *“Enable SSID number”* ***и укажите сколько SSID вам нужно. Тогда введите новый SSID в колонке и нажмите кнопку “Apply”.***

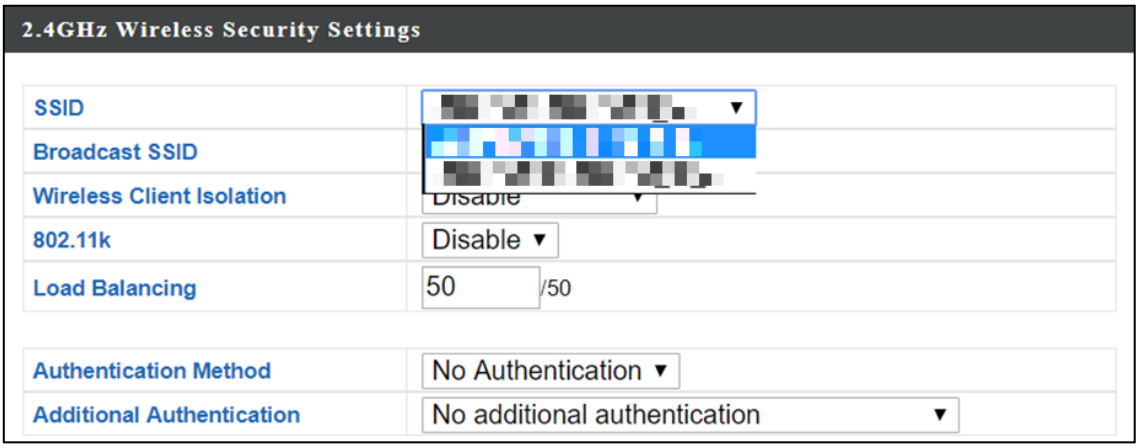


Настройка безопасности на 2.4ГГц сети

1. Пройдите **“Wireless Settings” > “2.4GHz 11bgn” > “Security”**.
2. Выберите “Authentication Method”, сделайте настройки которые вам нужно и нажмите “Apply”.



Если у вас есть несколько SSID, выберите SSID который вы хотите настроит “SSID”.



Замена SSID настройка безопасности для 5ГГц беспроводной сети
Тоже самые настройки как и для 2,4ГГц сети только выберите 5ГГц сеть.

Замена Имя администратора и пароля

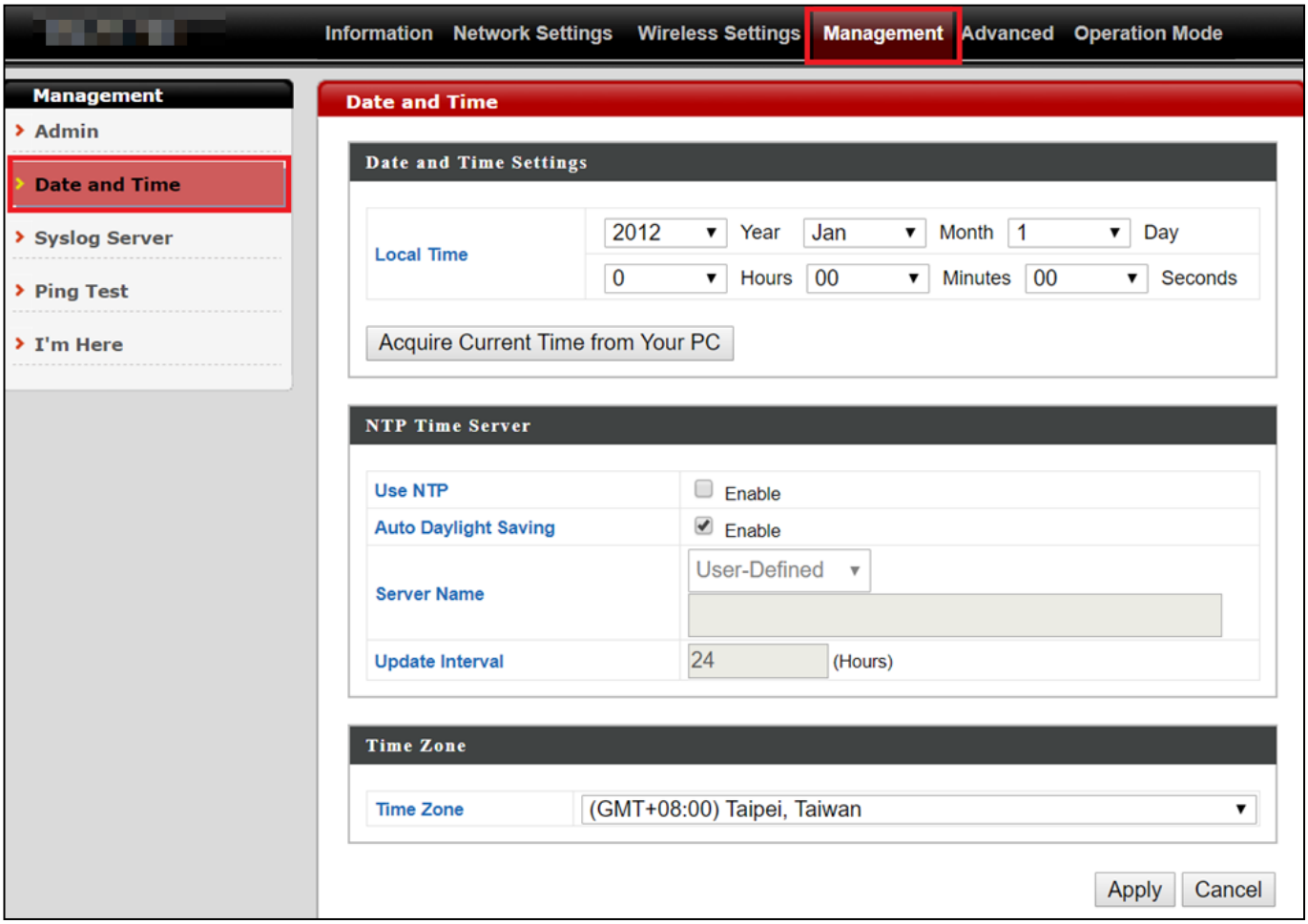
1. Пройдите в **“Management” > “Admin”** как показано:



2. Введите инфо в колонки “Administrator Name” и “Administrator Password” и нажмите “Apply”.

Настройка даты и времени

1. Пройдите в **“Management” > “Date and Time”**.



2. Задайте правильное время и часовой пояс для своей точки доступа с помощью выпадающих меню. Точка доступа также поддерживает NTP (Network Time Protocol), так что, в качестве альтернативы, вы можете ввести имя хоста или IP-адрес временного сервера. Нажмите “Apply”.

Вы можете выбрать “Acquire Current Time from your PC” **если вы хотите установить точку доступа одновременно с ПК**

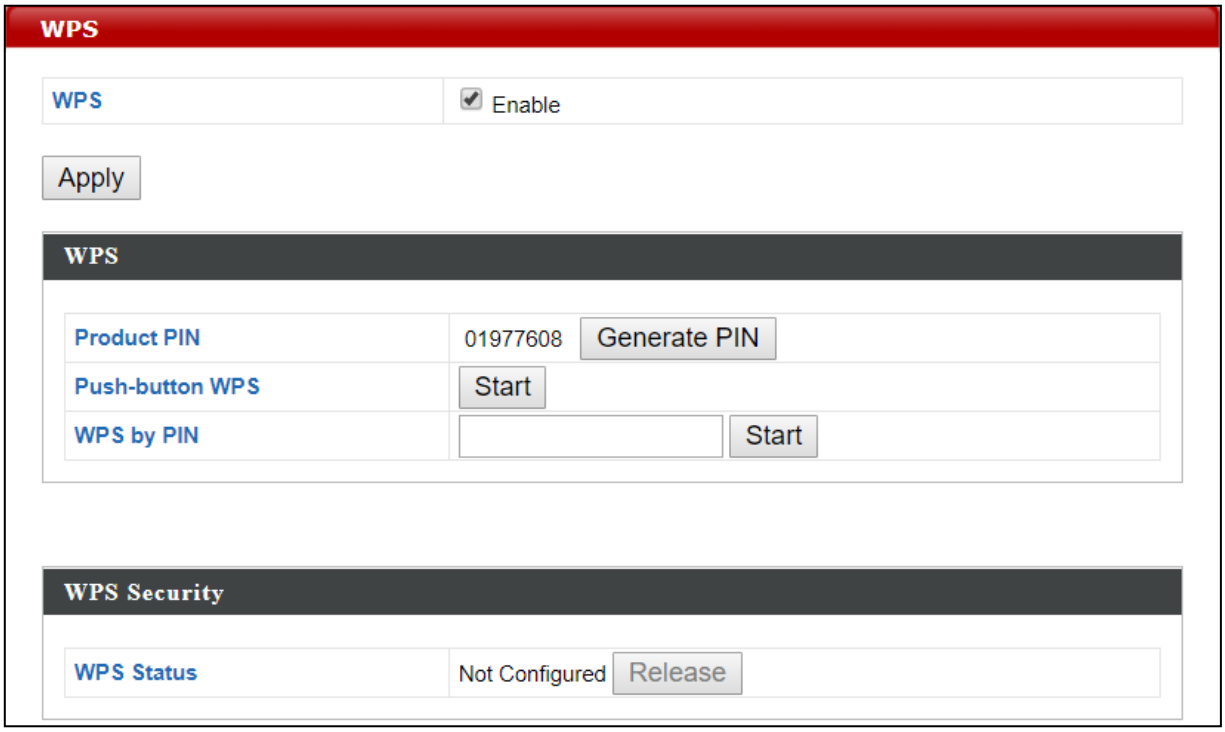
Основные настройки завершены. Пожалуйста посмотрите ***III Физическая Установка*** для инструкции как соединить вашу ТД к роутеру или коммутатору.

II-6 Wi-Fi Protected Setup (WPS)

Wi-Fi Protected Setup - простой способ установить соединения между WPS-совместимыми устройствами. Вы можете использовать кнопку WPS или веб-страницу конфигурации, активировать функцию WPS точки доступа.

1. Пройдите **“Wireless Settings” > “WPS”** на странице настроек

2. Нажмите на “Enable” и “Apply”.



3. В низу на кнопке “Push-button WPS” , нажмите “Start” для активации WPS. WPS будет активно в течении 2 минут.

4. В течение двух минут активируйте WPS на вашем WPS-совместимом беспроводном устройстве. Пожалуйста, проверьте документацию своего беспроводного устройства для получения информации о его функции WPS.

5. Устройства установят соединение.

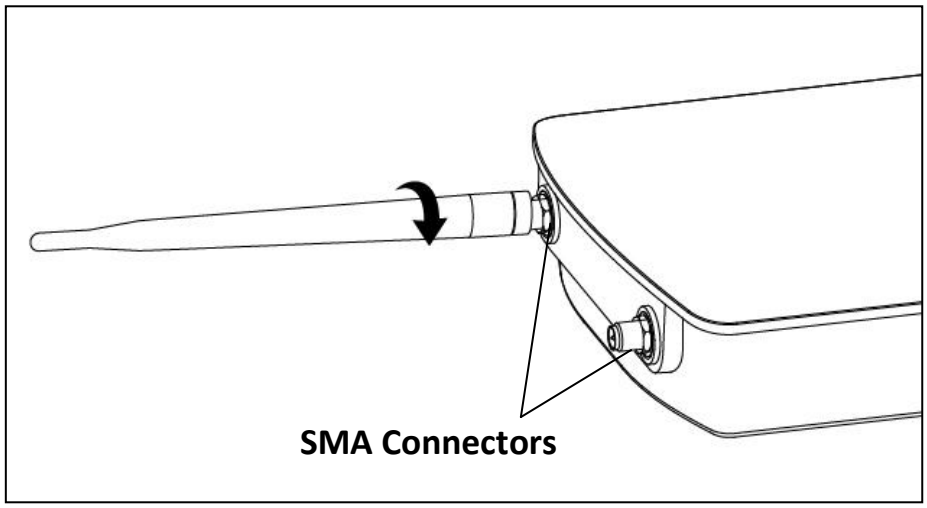
III *Физическая Установка*

После завершения вышеуказанных процессов настройки вы можете переместить точку доступа в нужное место.

III-1 Антенны

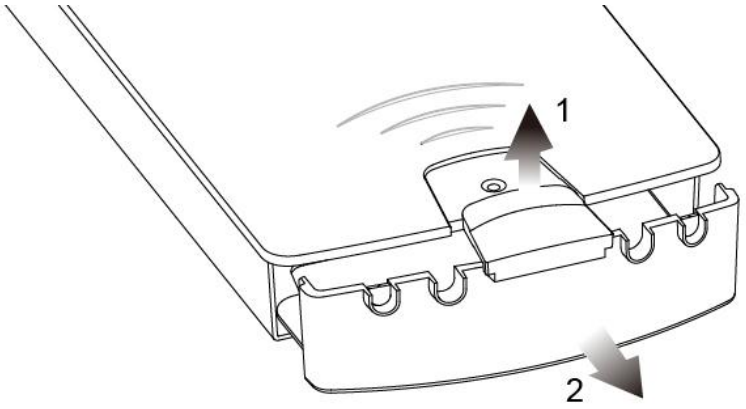
Антенны нужно прикрутить к ТД.

Прикрутите обе антенны к ТД как показано:

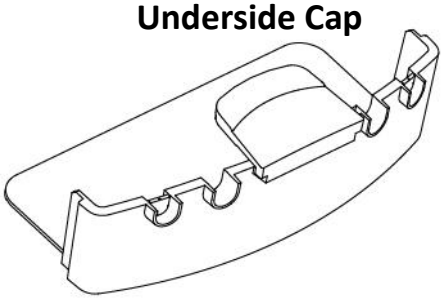


III-2 Подключение питания через PoE

1. Снимите крышку с нижней стороны точки доступа: 1) потянув крюк вверх и 2) потянув крышку вниз, как показано ниже:

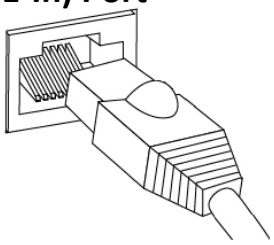


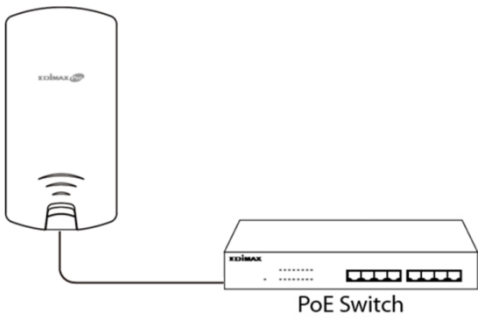
Underside Cap



2. Подключите сетевой кабель к **LAN 1 (PoE-In)** порту и другой конец кабеля к PoE коммутатору или инжектору.

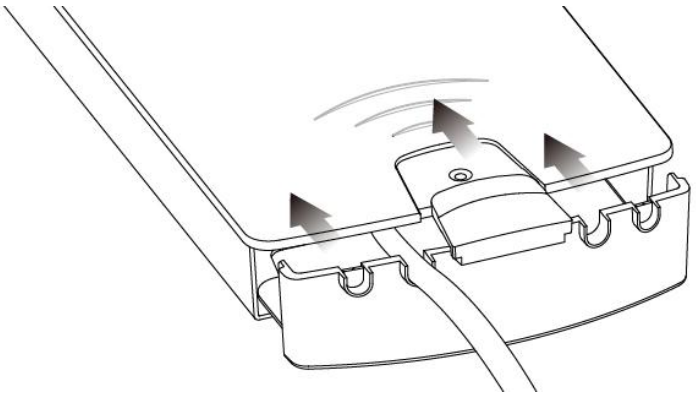
LAN 1 (PoE-In) Port



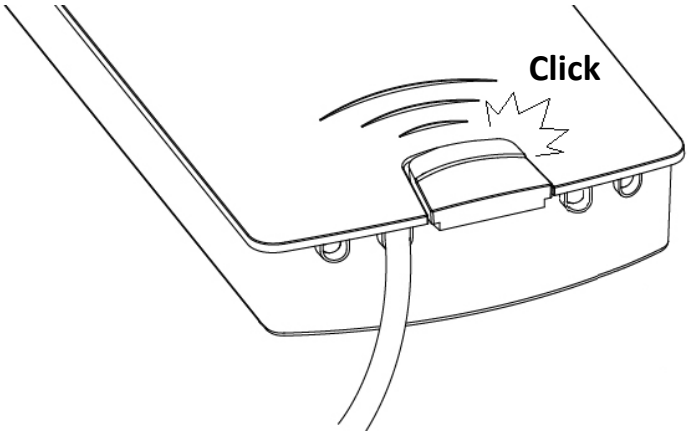


3. ТД будет получит питания через PoE. Подключите второй сетевой кабель к порту **LAN 2** если нужно.

4. Установите крышку как показано.



5. Позвольте крышке щелкнуть с точкой доступа и убедиться, что она не открывается легко. Колпачок служит для защиты от дождя, подходящего для использования в открытом.

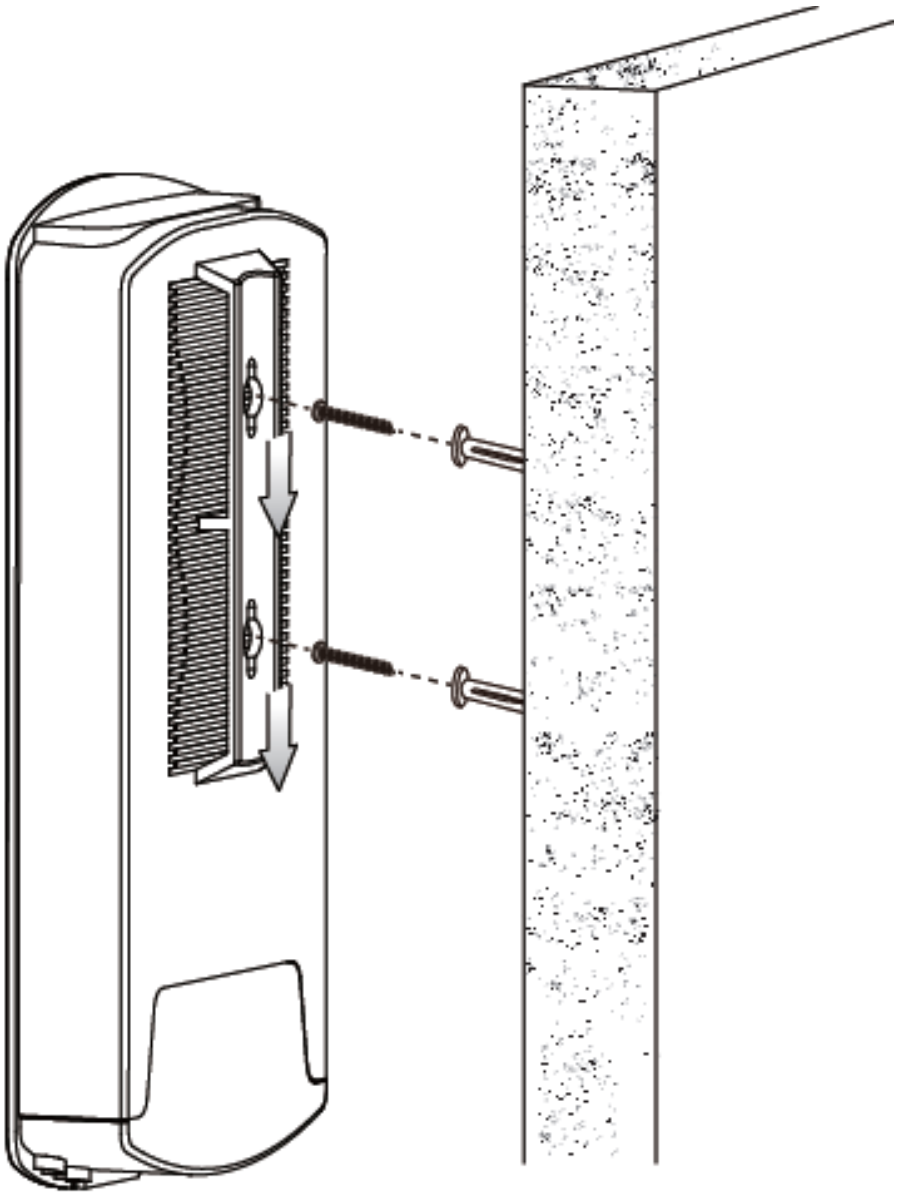


III-3 Установка

После подключения кабелей, установите ТД на стене или штанге.

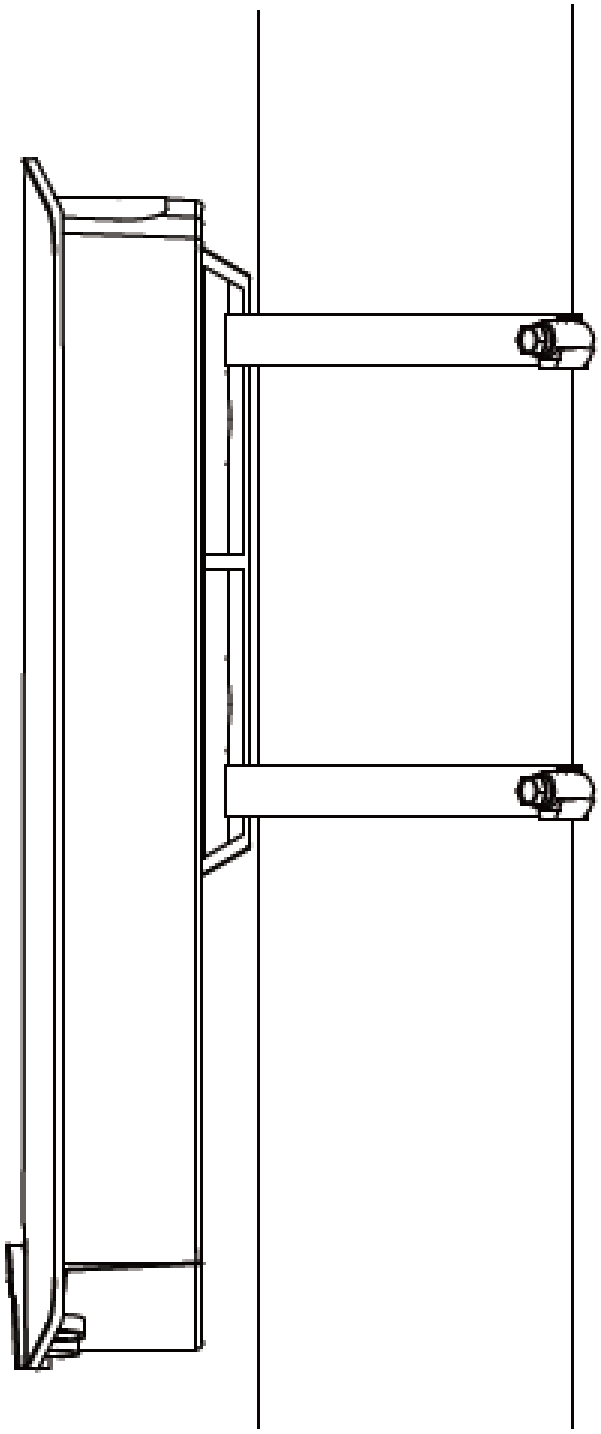
На стене

Прикрепите крепление и точку доступа к стене с помощью прилагаемого настенного крепежного шаблона и настенных насадок.



Крепление на штанге

Закрепите крепление и точку доступа на столбе, используя прилагаемые крепежные скобы.



Professional installation warning:

This device is point-to-multi-point device. The general user should not attempt to install or change settings, it needs to be installed by a qualified personal who has RF exposure and related rule knowledge or technology.

The installation position and output power does not exceed the limit set forth in US Rule CFR 47 part 15 section 15.247 & 15.407. If violate the rule, could lead to serious federal penalty.

It is complies with §15.407 (a)(1)(i) requirement that the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

About TDWR 5600-5650 MHz, installation and operation should with a minimum distance of 20 centimeters between the radiator and your body or nearby persons.

Use two type antenna specifications. One type antenna model name is 98623PRSX000, antenna type is dipole antenna with peak gain 4.58dBi for 2.4GHz; 6.18dBi for 5150-5250MHz; 6.22dBi for 5250-5350MHz; 6.12dBi for 5470-5725MHz; 6.05dBi for 5725-5850MHz. Other type antenna model name is C095-510399-A, antenna type is dipole antenna with peak gain 3dBi for 2.4GHz; 4dBi for 5150-5850MHz. Only use manufacturer approved antenna type of antenna.

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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 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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

FCC Caution

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.

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

FCC Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or nearby persons.

RED Compliance Statement

Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. Transmit Power (dBm)
2412-2472	19.66 dBm
5500-5700	27.73 dBm

A simplified DoC shall be provided as follows: Article 10(9)

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment type **AC1300 Outdoor AP** is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: http://www.edimax.com/edimax/global/

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

English: This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU, 2014/35/EU.

Français: Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/53/EU, 2014/35/EU.

Čeština: Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/53/EU, 2014/35/EU.

Polski: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/53/EU, 2014/35/EU.

Română: Acest echipament este în conformitate cu cerinţele esenţiale şi alte prevederi relevante ale Directivei 2014/53/UE, 2014/35/UE.

Русский: Это оборудование соответствует основным требованиям и положениям Директивы 2014/53/EU, 2014/35/EU.

Magyar: Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/53/EU, 2014/35/EU).

Türkçe: Bu cihaz 2014/53/EU, 2014/35/EU direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.

Українська: Обладнання відповідає вимогам і умовам директиви 2014/53/EU, 2014/35/EU.

Slovenčina: Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/53/EU, 2014/35/EU.

Deutsch: Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/53/EU, 2014/35/EU.

Español: El presente equipo cumple los requisitos esenciales de la Directiva 2014/53/EU, 2014/35/EU.

Italiano: Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/53/EU, 2014/35/UE.

Nederlands: Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/53/EU, 2014/35/EU.

Português: Este equipamento cumpre os requesitos essênciais da Directiva 2014/53/EU, 2014/35/EU.

Norsk: Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/53/EU, 2014/35/EU.

Svenska: Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/53/EU, 2014/35/EU.

Dansk: Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/53/EU, 2014/35/EU.

suomen kieli: Tämä laite täyttää direktiivien 2014/53/EU, 2014/35/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN AT BE CY CZ DK EE FI FR DE GR HU IE IT LV LT LU MT NL PL PT SK SI ES SE GB IS LI NO CH BG RO RU TR UA

WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European Radio Equipment directives.

Equipment: AC1300 Outdoor AP
Model No.: OAP1300

The following European standards for essential requirements have been followed:

Directives 2014/53/EU

Spectrum	:	EN 300 328 V2.1.1 (2016-11)
		EN 301 893 V2.1.1 (2017-05)
EMC	:	EN 301 489-1 V2.1.1 (2017-02)
		EN 301 489-17 V3.2.0 (2017-03)
		EN 55032: 2012 / AC:2013
		EN 55024: 2010
EMF	:	EN 62311:2008

Directives 2014/35/EU

Safety (LVD)	:	IEC 60950-1:2005 (2nd Edition)+Am 1:2009+Am 2:2013
		EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

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No. 278, Xinhu 1st Rd.,
Neihu Dist., Taipei City,
Taiwan

Signature:

Printed Name: Vivian Ma
Title: Director
Edimax Technology Europe B.V.

Date of Signature: March, 2018
Signature:

Printed Name: Albert Chang
Title: Director
Edimax Technology Co., Ltd.

CE

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