

**CAP1200**

# Quick Installation Guide

08-2014 / v1.0

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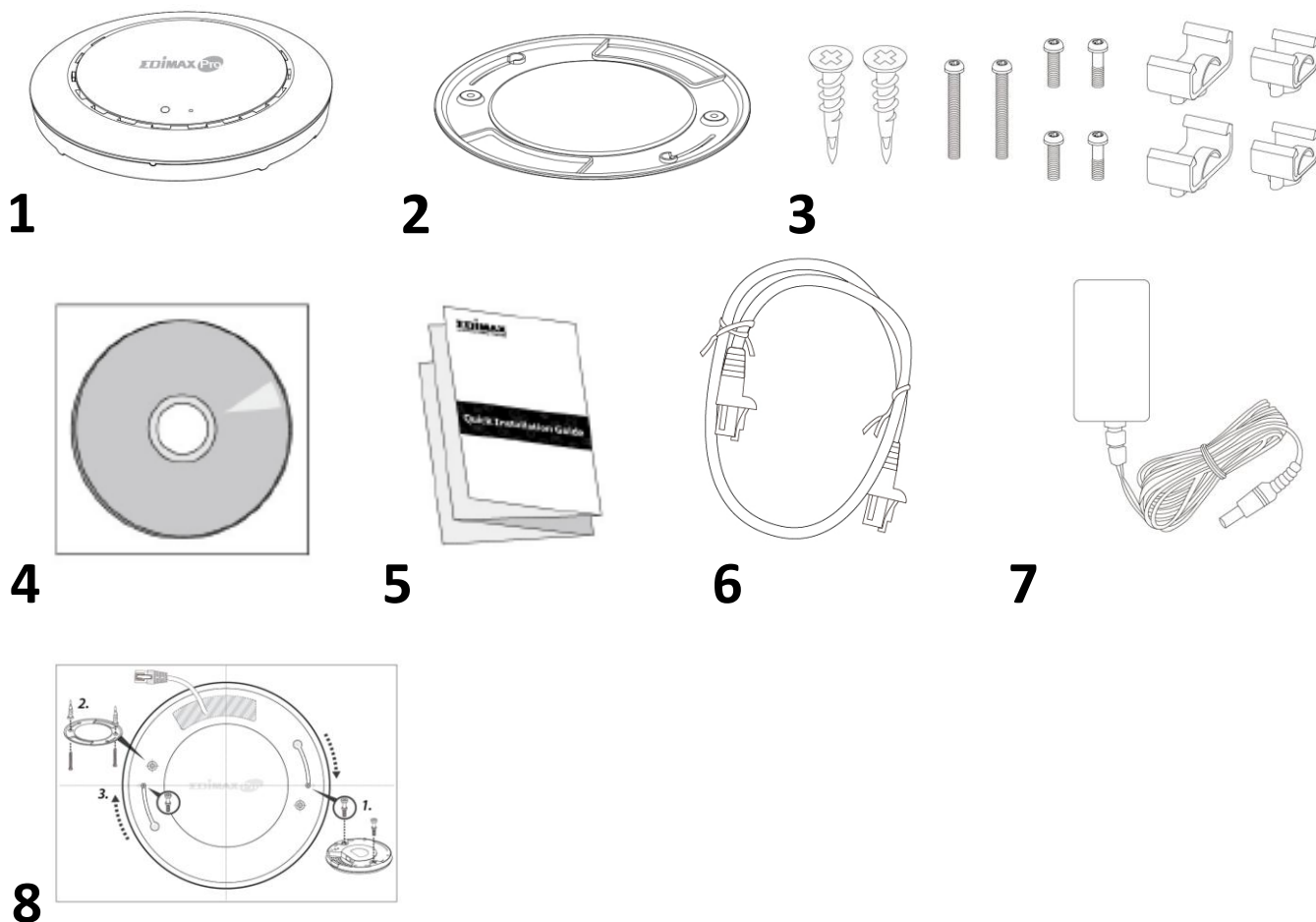
Live Tech Support: 1(800) 652-6776

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# I. Produktinformationen

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## I-1. Verpackungsinhalt



**1.** CAP1200 Access Point

**2.** Halterung für  
Deckenmontage

**3.** Montageset & Schrauben  
für T-Schiene

**4.** CD

**5.** Schnellinstallationsanleitung

**6.** Ethernetkabel

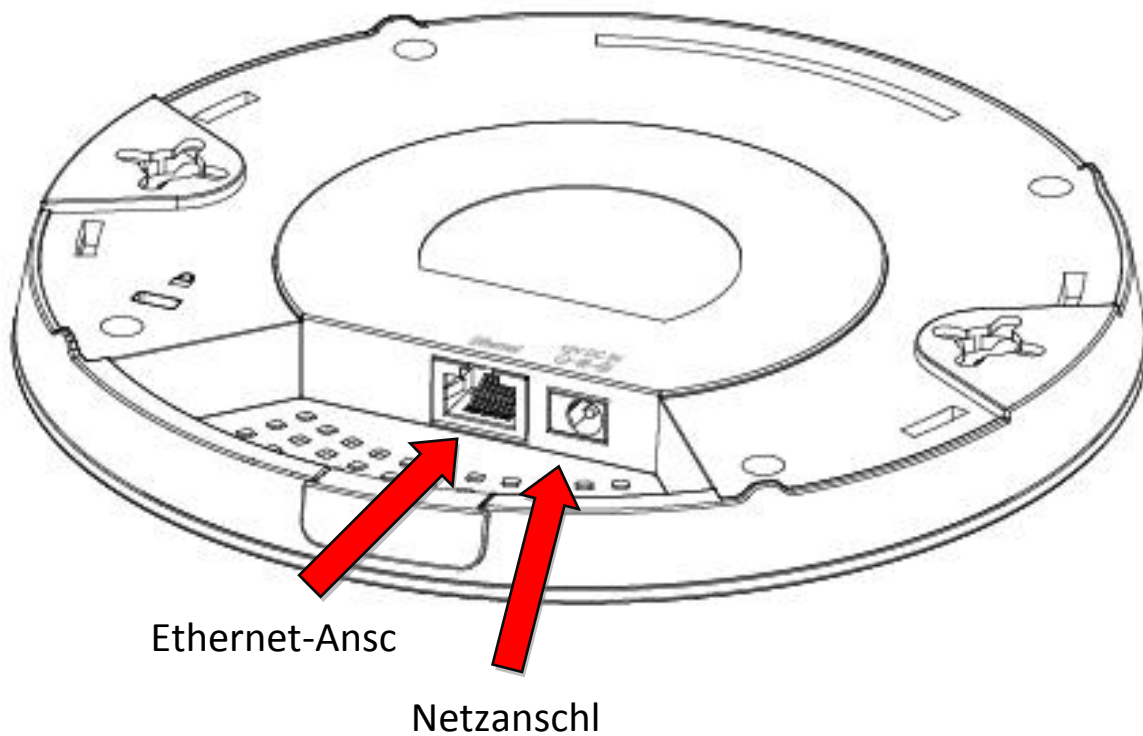
**7.** Netzadapter

**8.** Bohrvorlage für  
Deckenmontage

## I-2. Systemanforderungen

- Vorhandenes Kabel/DSL-Modem & Router
- Computer mit Web-Browser zur Access Point-Konfiguration

### I-3. Hardwareübersicht



### I-4. LED-Status

LED-Farbe	LED-Status	Beschreibung
Blau	An	Der Access Point ist an.
	Lange blinkend	Firmware wird aktualisiert.
	Kurz blinkend	Werksstandardwerte wiederherstellen.
Gelb	An	Gerät wird gestartet.
	Blinkend	Fehler.
Aus	Aus	Der Access Point ist aus.

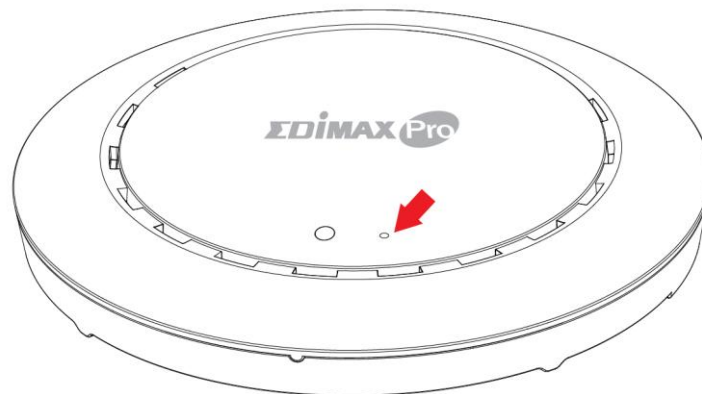
## I-5. Rücksetzen

Wenn Sie mit Ihrem Access Point auf Probleme stoßen, können Sie das Gerät auf die Werksstandardeinstellungen zurücksetzen. Damit werden **alle** Einstellungen auf die Standardwerte zurückgesetzt.

1. Halten Sie die Reset-Taste am Access Point mindestens 10 Sekunden lang gedrückt und lassen Sie sie dann los.



***Möglicherweise müssen Sie einen Stift oder ähnlichen spitzen Gegenstand benutzen, um die Reset-Taste zu drücken.***



2. Warten Sie, bis der Access Point neu gestartet wird. Der Access Point ist für das Setup bereit, wenn die LED **blau** leuchtet.

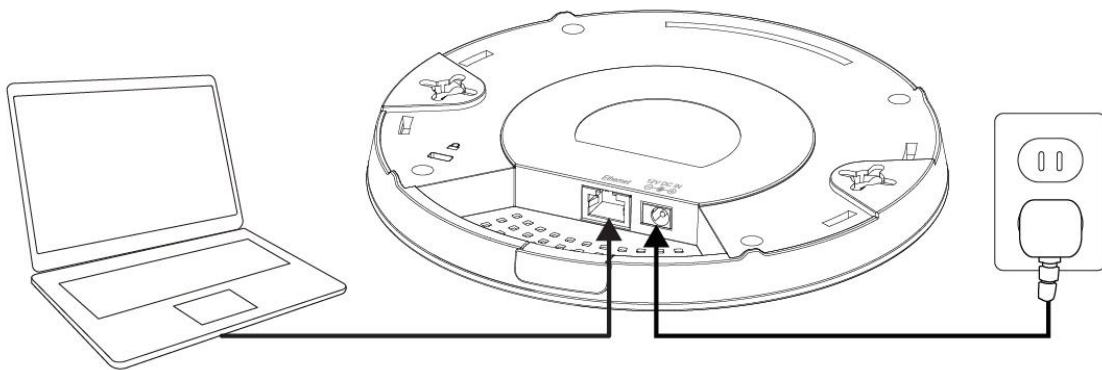
## II. Schnellkonfiguration

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Ihr Access Point kann in nur wenigen Minuten in Betrieb genommen werden. Diese Schnellinstallationsanleitung hilft Ihnen, Ihren Access Point einzurichten und die Grundeinstellungen zu konfigurieren. Bitte befolgen Sie die Anweisungen in den folgenden Kapiteln:

### II-1. Erstes Setup

1. Verbinden Sie den Access Point über ein Ethernet-Kabel mit einem Computer.
2. Verbinden Sie das Netzteil mit Hilfe des mitgelieferten Kabels mit dem 12V-Anschluss des Access Points und einer Steckdose.



3. Warten Sie bitte einen Augenblick, bis der Access Point gestartet ist. Der Access Point ist bereit, wenn die LED **blau** leuchtet.
4. Legen Sie als IP-Adresse Ihres Computers **192.168.2.x** fest, wobei **x** eine Zahl im Bereich **3 – 100** ist. Wenn Sie unsicher sind, wie das geht, finden Sie im Benutzerhandbuch weitere Informationen.

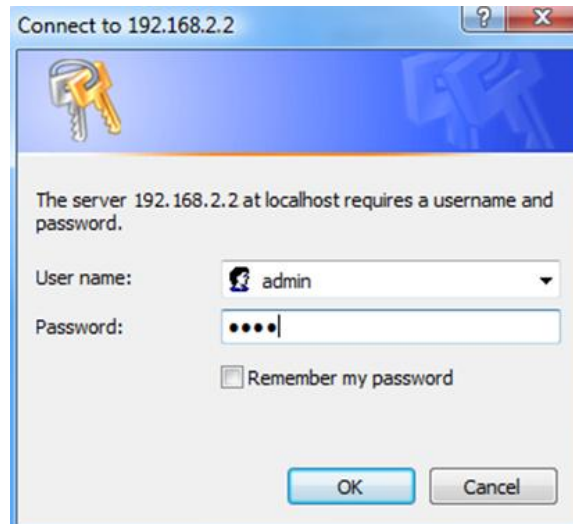


**Bitte stellen Sie sicher, dass es keine anderen aktiven Netzwerkverbindungen auf Ihrem Computer gibt (trennen Sie WLAN-Verbindungen und Ethernet-Kabel).**

5. Geben Sie als Standard-IP-Adresse des Access Points **192.168.2.2** in die URL-Leiste eines Web-Browsers ein.



6. Sie werden aufgefordert, einen Benutzernamen und ein Passwort einzugeben. Geben Sie den Standardbenutzernamen "admin" und das Standardpasswort "1234" ein.



7. Sie kommen auf den unten gezeigten "Systeminformationen"-Bildschirm.

**EDIMAX Pro** Home | Logout | Global (English) ▼

CAP1200 Information Network Settings Wireless Settings Management Advanced

**Information**

- System Information
- Wireless Clients
- Wireless Monitor
- Log

**System Information**

System	
Model	CAP1200
Product Name	AP801F0275EA6E
Uptime	0 day 00:29:08
Boot from	Internal memory
Version	0.0.4
MAC Address	80:1F:02:75:EA:6E
Management VLAN ID	1
IP Address	192.168.2.2
Default Gateway	---
DNS	---
DHCP Server	---

**Wired LAN Port Settings**

Wired LAN Port	Status	VLAN Mode/ID
Wired Port (#1)	Connected (100 Mbps Full-Duplex)	Untagged Port / 1

**Wireless 2.4GHz**

Status	Enabled
MAC Address	80:1F:02:75:EA:6E
Channel	Ch 2 + 6 (Auto)
Transmit Power	100%

**8.** Dann folgen Sie bitte den Anweisungen in **II-2. Grundeinstellungen**, um die Grundeinstellungen des Access Points zu konfigurieren.

## II-2. Grundlegende Einstellungen

Diese Anleitung wird Ihnen helfen, die folgenden Grundeinstellungen des Access Points zu konfigurieren:

- **IP-Adresse LAN**
- **2,4GHz & 5GHz SSID & Sicherheit**
- **Administratorname & Passwort**
- **Zeit & Datum**



**Es wird empfohlen, diese Einstellungen zu konfigurieren, bevor Sie den Access Point nutzen.**

**1.** Zur Änderung der LAN-IP-Adresse des Access Points gehen Sie zu **“Netzwerkeinstellungen” > “IP-Adresse der LAN-Seite”**, wo Sie dann folgenden Bildschirm sehen.

LAN-side IP Address	
IP Address Assignment	DHCP Client ▾
IP Address	192.168.2.2
Subnet Mask	255.255.255.0
Default Gateway	From DHCP ▾

DNS Servers	
Primary Address	From DHCP ▾
Secondary Address	From DHCP ▾

**2.** Geben Sie die Einstellungen für die IP-Adresse ein, die Sie für Ihren Access Point verwenden wollen. Sie können eine dynamische (DHCP) oder eine statische IP-Adresse verwenden, je nach Ihrer Netzwerkkumgebung. Klicken Sie auf "Übernehmen", um die Änderungen zu speichern, und warten Sie etwas, bis der Access Point neu geladen ist.



**Wenn Sie die IP-Adresse Ihres Access Points ändern, müssen Sie die neue IP-Adresse verwenden, um auf die Browser-basierte**

**Konfigurationsoberfläche zugreifen zu können, nicht die Standard-IP 192.168.2.2.**

- 3.** Zum Ändern der SSID der 2,4GHz-Drahtlosnetzwerke Ihres Access Points gehen Sie zu **“Drahtloseinstellungen” > “2,4GHz 11bgn” > “Grundlagen”**. Geben Sie die neue SSID für Ihr 2,4GHz Drahtlosnetzwerk in das Feld **“SSID1”** ein und klicken Sie auf **“Übernehmen”**.



**Zur Verwendung von mehreren 2,4GHz SSIDs öffnen Sie das Dropdown-Menü namens “SSID-Nummer aktivieren” und wählen Sie die benötigte Anzahl an SSIDs. Geben Sie dann eine neue SSID in die entsprechenden nummerierten Felder ein, bevor Sie auf “Übernehmen” klicken.**

2.4GHz Basic Settings	
Wireless	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Band	11b/g/n
Enable SSID number	1
SSID1	CAP1200-CCDD10_G <span style="margin-left: 20px;">VLAN ID 1</span>
Auto Channel	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Auto Channel Range	Ch 1 - 11
Auto Channel Interval	One day
	<input type="checkbox"/> Change channel even if clients are connected
Channel Bandwidth	Auto
BSS BasicRateSet	1,2,5.5,11 Mbps

- 4.** Zum Konfigurieren der Sicherheit des 2,4GHz-Drahtlosnetzwerke Ihres Access Points gehen Sie zu **“Drahtloseinstellungen” > “2,4GHz 11bgn” > “Sicherheit”**. Wählen Sie eine **“Authentifizierungsmethode”** und geben Sie entweder einen **“Preshared Key”** oder eine **“Verschlüsselung”** ein, und klicken Sie dann auf **“Übernehmen”**.



**Bei Verwendung mehrerer SSIDs geben Sie über das Dropdown-Menü “SSID” an, welche SSID konfiguriert werden soll.**



2.4GHz Wireless Security Settings	
SSID	CAP1200-CCDD10_G
Broadcast SSID	Enable
Wireless Client Isolation	Disable
Load Balancing	50 /50
Authentication Method	No Authentication
Additional Authentication	No additional authentication

5. Gehen Sie zu **“Drahtloseinstellungen”** > **“5GHz 11ac 11an”** und wiederholen Sie die Schritte **3 & 4** für das 5GHz-Drahtlosnetzwerk des Access Points.
6. Zum Ändern von Administratorname und Passwort für die Browser-basierte Konfigurationsschnittstelle gehen Sie zu **“Management”** > **“Admin”**.

Account to Manage This Device	
Administrator Name	admin
Administrator Password	••••• (4-32 Characters)
	••••• (Confirm)
<input type="button" value="Apply"/>	

7. Füllen Sie die Felder **“Administratorname”** und **“Administratorpasswort”** aus und klicken Sie auf **“Übernehmen”**.
8. Zum Einstellen der richtigen Zeit für Ihren Access Point gehen Sie zu **“Management”** > **“Datum und Uhrzeit”**.

Date and Time Settings	
Local Time	2012 <input type="button" value="v"/> Year Jan <input type="button" value="v"/> Month 1 <input type="button" value="v"/> Day
	0 <input type="button" value="v"/> Hours 00 <input type="button" value="v"/> Minutes 00 <input type="button" value="v"/> Seconds
<input type="button" value="Acquire Current Time from Your PC"/>	
NTP Time Server	
Use NTP	<input type="checkbox"/> Enable
Server Name	<input type="text"/>
Update Interval	24 <input type="text"/> hours
Time Zone	
Time Zone	(GMT) Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London <input type="button" value="v"/>

- 9.** Stellen Sie über die Dropdown-Menüs die korrekte Uhrzeit und Zeitzone für Ihren Access Point ein. Der Access Point unterstützt auch NTP (Network Time Protocol), so dass Sie alternativ auch den Hostnamen oder die IP-Adresse von einem Zeit-Server eingeben können. Klicken Sie auf "Übernehmen", wenn Sie fertig sind.

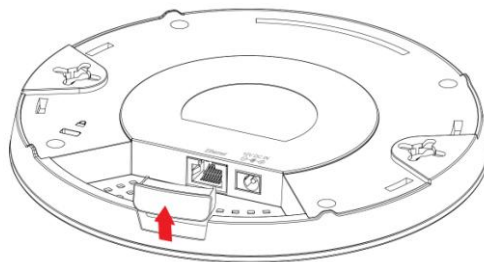


***Sie können die Schaltfläche "Aktuelle Zeit von Ihrem PC abrufen" verwenden, wenn Sie den Access Point auf die gleiche Zeit wie Ihren PC einstellen wollen.***

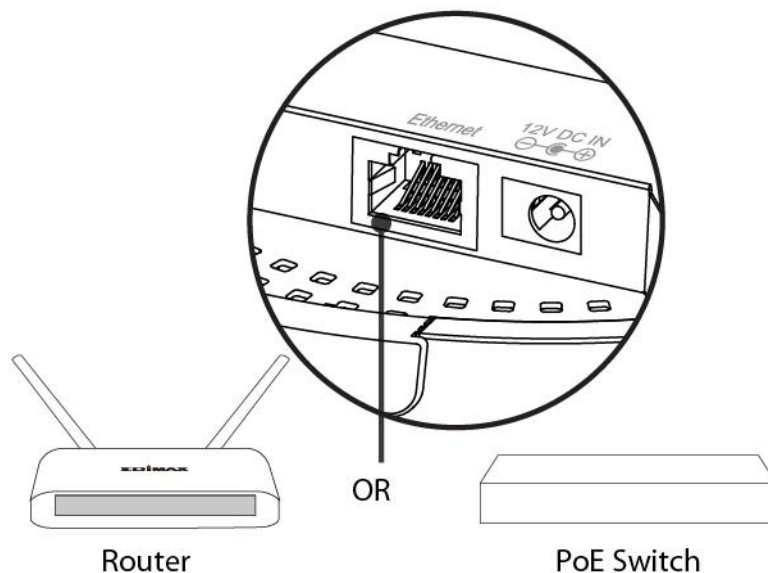
- 10.** Die Grundeinstellungen Ihres Access Point sind jetzt konfiguriert. Beachten Sie bitte Punkt **III. Hardwareinstallation** für Anweisungen dazu, wie Sie Ihren Access Point mit einem Router oder PoE-Switch verbinden.

### III. Hardwareinstallation

1. Falls nötig, die Kappe von der Unterseite des Access Points abnehmen. Dadurch erhalten Sie zusätzlichen Platz zum Verlegen von Kabeln.

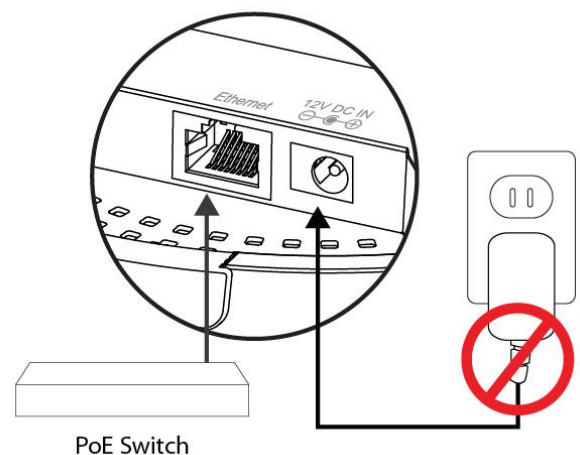


2. Verbinden Sie einen Router oder PoE-Switch über eine Ethernet-Kabel mit dem LAN-Port des Access Points.



3. Wenn Sie einen Router verwenden, dann stecken Sie das Netzteil in den 12V-Anschluss des Access Points und in eine Steckdose.

4. Wenn Sie einen PoE- (Power over Ethernet) Switch verwenden, dann ist es nicht notwendig, das mitgelieferte Netzteil zu verwenden, da der Access Point durch den PoE-Switch mit Strom versorgt wird.



**Verwenden Sie das Netzteil nicht, wenn Sie einen PoE-Switch nutzen.**

## IV. Browserbasierte Konfigurationsschnittstelle

Mit Hilfe der browserbasierten Konfigurationsschnittstelle können Sie die erweiterten Merkmale des Access Points konfigurieren. Der CAP1200 bietet eine Reihe von erweiterten Funktionen, zum Beispiel MAC-Filterung, MAC RADIUS-Authentifizierung, VLAN-Konfigurationen, bis zu 32 SSIDs und viele mehr. So greifen Sie auf die browserbasierte Konfigurationsschnittstelle zu:

1. Verbinden Sie einen Computer über ein Ethernet-Kabel mit Ihrem Access Point.
2. Geben Sie die IP-Adresse Ihres Access Points in die URL-Leiste eines Web-Browsers ein. Die Standard-IP-Adresse des Access Points ist **192.168.2.2**.
3. Sie werden aufgefordert, einen Benutzernamen und ein Passwort einzugeben. Der Standardbenutzername ist "admin" und das Standardpasswort ist "1234", obwohl empfohlen wurde, das Passwort während des Setups zu ändern (siehe **II-2. Grundlegende Einstellungen**).



**Wenn Sie sich nicht an Ihr Passwort erinnern, setzen Sie den Access Point auf die werkseitigen Standardeinstellungen zurück. Beachten Sie bitte Punkt I-5. Rücksetzen**

4. Sie kommen auf den unten gezeigten "Systeminformationen"-Bildschirm.

The screenshot shows the web management interface for an EDIMAX Pro CAP1200. The top navigation bar includes 'Home | Logout | Global (English)'. Below this is a main menu with 'CAP1200', 'Information', 'Network Settings', 'Wireless Settings', 'Management', and 'Advanced'. The 'Information' section is expanded, showing 'System Information', 'Wireless Clients', 'Wireless Monitor', and 'Log'. The 'System Information' page displays the following data:

System	
Model	CAP1200
Product Name	AP801F0275EA6E
Uptime	0 day 00:29:08
Boot from	Internal memory
Version	0.0.4
MAC Address	80:1F:02:75:EA:6E
Management VLAN ID	1
IP Address	192.168.2.2
Default Gateway	---
DNS	---
DHCP Server	---

5. Benutzen Sie zum Navigieren das Menü oben und unten an der linken Seite.

The screenshot shows the EDIMAX Pro web interface. At the top, there is a navigation bar with the EDIMAX Pro logo on the left and 'Home | Logout | Global (English)' on the right. Below this is a main menu with options: 'C A P 1 2 0 0', 'Information', 'Network Settings', 'Wireless Settings' (highlighted), 'Management', and 'Advanced'. On the left side, there is a 'Wireless Settings' sidebar menu with the following items: '> 2.4GHz 11bgn' (expanded), '> Basic' (highlighted), 'Advanced', 'Security', 'WDS', '> 5GHz 11ac 11an', 'Basic', 'Advanced', 'Security', 'WDS', '> WPS', '> RADIUS', 'Radius Settings', 'Internal Server', 'Radius Accounts', '> MAC Filter', and '> WMM'. To the right of the sidebar, there are two red arrows: one pointing up towards the 'Wireless Settings' menu item and one pointing left towards the 'Basic' option. At the bottom right, there are two buttons: 'Apply' (circled in red) and 'Cancel'.

6. Klicken Sie auf "Übernehmen", um die Änderungen zu speichern und den Access Point neu zu laden, oder auf "Abbrechen", um die Änderungen zu verwerfen.



**Bitte warten Sie ein paar Sekunden, bis der Access Point neu geladen ist, nachdem Sie wie unten gezeigt auf "Übernehmen" geklickt haben.**

Configuration is complete. Reloading now... Please wait for  seconds.

7. Eine vollständige Anleitung zu den Funktionen der browserbasierten Konfigurationsschnittstelle finden Sie im Benutzerhandbuch.

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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 and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. 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 authority to operate equipment.

### Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

### Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

### 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 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.
- Polški:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC..
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (1995/5/EK, 2009/125/EK, 2006/95/EK, 2011/65/EK).
- Türkçe:** Bu cihaz 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC..
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1995/5/EG, 2009/125/EG, 2006/95/EG, 2011/65/EG.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- suomen kieli:** Tämä laite täyttää direktiivien 1995/5/EY, 2009/125/EY, 2006/95/EY, 2011/65/EY 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	TR



### 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 R&TTE directives.

**Equipment: AC1200 Ceiling Mount Access Point**  
**Model No.: CAP1200**

The following European standards for essential requirements have been followed:

### Directives 1999/5/EC

Spectrum : ETSI EN 300 328 V1.8.1 (2012-06);  
ETSI EN 301 893 V1.7.1 (2012-06)  
EMC : EN 301 489-1 V1.9.2 (2011-09);  
EN 301 489-17 V2.2.1 (2012-09);  
Safety (LVD) : IEC 60950-1:2005 (2<sup>nd</sup> Edition);Am 1:2009  
EN 60950-1:2006+A11:2009+A1:2010+A12:2011

### Recommendation 1999/5/EC

EMF : EN 62311:2008

### Directives 2006/95/EC

Safety (LVD) : IEC 60950-1:2005 (2<sup>nd</sup> Edition);Am 1:2009  
EN 60950-1:2006+A11:2009+A1:2010+A12:2011

Edimax Technology Co., Ltd.  
No. 3, Wu Chuan 3<sup>rd</sup> Road,  
Wu-Ku Industrial Park,  
New Taipei City, Taiwan



Date of Signature: August, 2014

Signature: \_\_\_\_\_

A handwritten signature in black ink, appearing to read 'Albert Chang', written over a horizontal line.

Printed Name: Albert Chang

Title: Director

Edimax Technology Co., Ltd.

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