



WLX-7000



Wi-Fi access point AC1200

Introduction

Thank you for purchasing the Sitecom WLX-7000 AC1200 Wi-Fi Dual-band Access Point. This Access Point lets you upgrade your home network to enjoy a bigger Wi-Fi range, faster speeds and better connections. It is extremely easy to setup, works with any Internet provider and can be connected to any existing (modem) router or set-top box to improve the home network. You can position the access point standing up, hanging on the wall or flat on the desk.

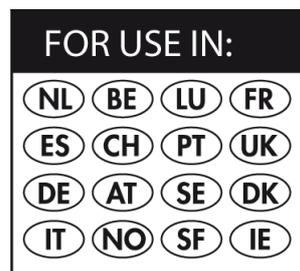
The WLX-7000 AC1200 Wi-Fi Dual-band Access Point has strong internal dual-band antennas that will give you a bigger Wi-Fi range than the (modem) router or set-top box that you have received from your Internet provider. Connect to the access point's Wi-Fi throughout your whole home and browse, shop and watch wherever you want.

The WLX-7000 AC1200 Wi-Fi Dual-band Access Point lets you create a blazing-fast Wi-Fi network and take advantage of the latest Wi-Fi technology 802.11ac. The access point is capable of reaching combined Wi-Fi speeds of AC1200. Stream multiple HD movies and enjoy Netflix, Spotify and many more, without lag and buffering. Wired devices such as your HD TV or game console can be connected to the access point's Gigabit ports to make use of an ultra-stable and reliable connection with wired speeds of up to 1000 Mbps.

Use two Wi-Fi networks at the same time with Simultaneous Dual-band technology. The standard 2,4 GHz frequency is ideal for lighter tasks such as surfing, mailing and watching YouTube clips, while the 5 GHz frequency is your fast lane for demanding tasks such as streaming HD movies with Netflix or playing video games online.

The WLX-7000 AC1200 Wi-Fi Dual-band Access Point is fully Plug & Play out of the box. Simply connect the access point with the included network cable to a free port of your (modem) router or set-top box, no installation or configuration necessary. The access point is secured with a pre-set unique Wi-Fi password (WPA2) and can be found easily in any list of Wi-Fi networks via the unique Wi-Fi name (SSID).

This product can be used safely in the countries listed below:



This product complies with the following European Union regulations:



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Sitecom Europe BV

EC Declaration of Conformity

Sitecom Europe BV
PO Box 12040
3004 GA Rotterdam
The Netherlands

We declare under our sole responsibility that the following product:

Product name: Wi-Fi access point AC1200
Article: WLX-7000 v1 001

are fully in conformity with the essential requirements of the relevant EU Directives and other normative documents.

The following relevant directives and requirements were used to declare compliance:

CE/LVD

· EN 60950-1: 2006+A11 (2009)

CE/EMC

· EN 301 489-1 V1.8.1
· EN 301 489-17 V2.1.1

RADIO SPECTRUM

· EN 300 328 V1.7.1 2006-10
· EN 50385 2002

Sitecom Europe BV Rotterdam, 26-10-2015

Sjors Hendriks
CPO

UK CE COMPLIANCE

Hereby Sitecom Europe BV declares that this product is in accordance with essential requirements and other relevant terms of the European regulation 1999/5/EC.

FR CONFORMITE CE

Par la présente Sitecom Europe BV, déclare que l'appareil est conforme aux exigences essentielles et aux dispositions pertinentes de la Directive Européenne 1999/5/EC.

DE CE-CONFORMITÄT

Hiermit erklärt Sitecom Europe BV, dass dieses Produkt die erforderlichen Voraussetzungen und andere relevante Konditionen der europäischen Richtlinie 1999/5/EC erfüllt.

IT CONFORMITA ALLE NORME CE

Con la presente Sitecom Europe BV dichiara che questo prodotto è conforme ai requisiti essenziali e agli altri termini rilevanti della Direttiva Europea 1999/5/EC.

NL CE GOEDKEURING

Hierbij verklaart Sitecom Europe BV dat dit product in overeenstemming is met de essentiële eisen en andere relevante bepalingen van Europese Richtlijn 1999/5/EC.

ES CONFORMIDAD CON LA CE

Por la presente Sitecom Europe BV declara que este producto cumple con los requisitos esenciales y las otras provisiones relevantes de la Directiva Europea 1999/5/EC.

PT CONFORMIDADE CE

Pela presente a Sitecom Europe BV declara que este produto está em conformidade com os requisitos essenciais e outras condições relevantes da regulamentação Europeia 1999/5/EC.

SE CE-FÖRSÄKRAN

Härmed försäkras Sitecom Europe BV att denna produkt uppfyller de nödvändiga kraven och andra relevanta villkor EU-direktivet 1999/5/EC.

DK OVERENSSTEMMELSESERKLÆRING

Sitecom Europe BV bekræfter hermed, at dette produkt er i overensstemmelse med de væsentlige krav og andre betingelser i henhold til Rådets direktiv 1999/5/EC.

NO CE-OVERENSSTEMMELSE

Sitecom Europe BV erklærer herved at dette produktet er i overensstemmelse med de avgjørende kravene og andre relevante vilkår i den europeiske forskriften 1999/5/EC.

FI CE-HYVÄKSYNTÄ

Täten Sitecom Europe BV ilmoittaa, että tämä tuote on yhdenmukainen direktiivin 1999/5/EC olennaisten vaatimusten ja muiden asiaankuuluvien sopimusehtojen kanssa.

RU СООТВЕТСТВИЕ ТРЕБОВАНИЯМ CE

Настоящим компания Sitecom Europe BV заявляет, что ее продукция соответствует основным требованиям и условиям Европейской Директивы 1999/5/EC.

PL CERTYFIKAT ZGODNOŚCI CE

Sitecom Europe BV niniejszym oświadcza, że ten produkt spełnia wszelkie niezbędne wymogi, a także inne istotne warunki dyrektywy europejskiej 1999/5/WE.

GR ΣΥΜΜΟΡΦΩΣΗ ΜΕ CE

Η Sitecom Europe BV δηλώνει, διά του παρόντος, ότι αυτό το προϊόν συμμορφώνεται με τις ουσιαστικές απαιτήσεις και τους λοιπούς όρους του ευρωπαϊκού κανονισμού 1999/5/EC.



This product may be used in the following countries:



For non EU countries please check with the local authorities for restrictions of using wireless products

Key Features

Features	Advantages
Incredible Data Rate up to 300Mbps on 2.4GHz and 866Mbps on 5GHz*	Heavy data payloads such as MPEG video streaming
IEEE 802.11ac Compliant and backwards compatible with 802.11b/g/n	Fully Interoperable with IEEE 802.11b/g/n compliant devices with legacy protection
Supports DHCP server function	Can act as a DHCP server to handle all DHCP traffic on the network.
Easy to use web-based GUI	Graphical User Interface for network configuration and management purposes.
WPS Buttons	Easily connect the device to your existing network and your clients with just the push of a button.

** Theoretical wireless signal rate based on IEEE standard of 802.11b, g, n, ac chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate. All specifications are subject to change without notice.*

Package Contents

Open the package carefully, and make sure that none of the items listed below are missing. Do not discard the packing materials, in case of return; the unit must be shipped back in its original package.

1. The WLX-7000 access point AC1200
2. A 110V~240V to 12V 1A Switching Power Adapter
3. A Quick Install Guide
4. An UTP cable

Cautions

This device's design and manufacturer has your safety in mind. In order to safely and effectively use this device, please read the following before usage.

Usage Cautions

The user should not modify this device. The environmental temperature should be within +5 ~ +35 degrees Celsius.

Power

The router's power voltage is DC 12V 1A.

When using this router, please connect the supplied AC adapter or AC adapter cable to the router's power jack. When placing the adapter cable, make sure it can't get damaged or be subject to pressure. To reduce the risk of electric shock, unplug the adapter first before cleaning it. Never connect the adapter to the router in a humid or dusty area. Do not replace the adapter or cable's wire or connector.

Repair

If the device has a problem, you should take it to an appointed repair center and let the specialists do the repair. Never repair the device yourself, you might damage the device or endanger yourself.

Disposing of the device

When you dispose of the device, be sure to dispose of it appropriately. Some countries may regulate disposal of an electrical device, please consult with your local authority.

Others

When using this device, please do not let it come into contact with water or other liquids. If water is accidentally spilled on the device, please use a dry cloth to absorb the spillage. Electronic products are vulnerable, when using please avoid shaking or hitting the device, and do not press the buttons too hard.

- Do not let the device come into contact with water or other liquid.
- Do not disassemble, repair or change the design of the device, any damage done will not be included in the repair policy.
- Avoid hitting the device with a hard object, avoid shaking the device and stay away from magnetic fields.
- If during electrostatic discharge or a strong electromagnetic field the device will malfunction, unplug the power cable. The product will return to normal performance the next time it is powered on.

Product Layout



	Description
Network Ports	You can use this port to connect to a wired modem or router to add wireless functionality. You can also use these ports to connect additional wired devices.

Backlabel and Network Details Folder

The Network Details Folder describes the IP address, login details, network name, security code and OPS button functionality.



Button	Description
OPS BUTTON	Press 2 seconds for WPS/OPS mode
	Press both buttons 15+ Seconds to reset to factory defaults.

LED Description



From top to bottom:

LED	Color	Description
OPS	(White)	Shows OPS activity.
Power	(Red)	Shows the device is turned on.
5GHz WiFi	(Blue)	Shows 5GHz WiFi activity.
2.4GHz WiFi	(Blue)	Shows 2.4GHz WiFi activity.
LAN	(Blue)	Shows the cable is connected.
LAN	(Blue)	Shows the cable is connected.
LAN	(Blue)	Shows the cable is connected.
LAN	(Blue)	Shows the cable is connected.
LAN	(Blue)	Shows the cable is connected.

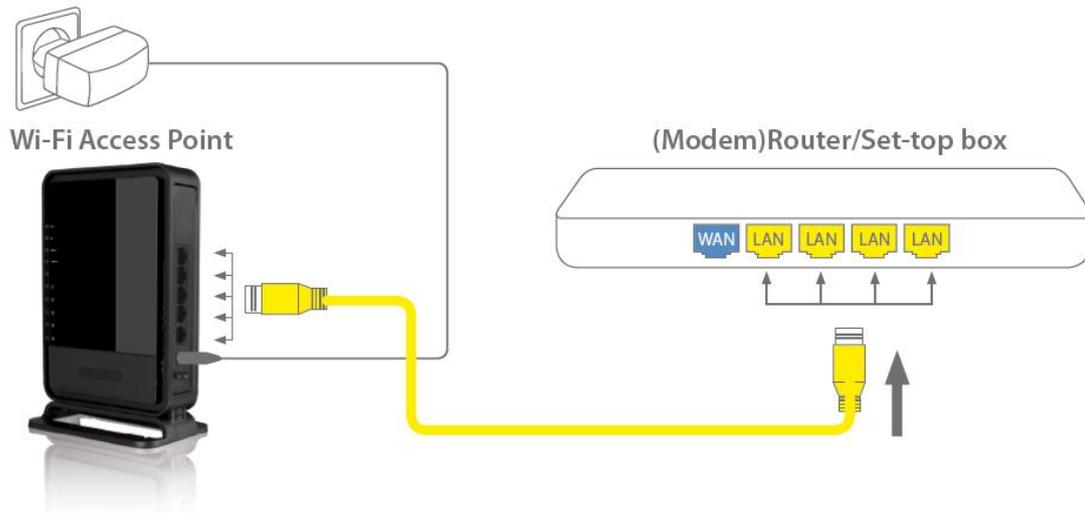
Network + System Requirements

To begin using the WLX-7000, make sure you meet the following as minimum requirements:

Network Requirements	An Ethernet-based broadband modem
Web-based Configuration	Computer with the following: <ul style="list-style-type: none">- Windows®, Macintosh, or Linux-based operating system- An installed Ethernet adapter or wireless adapter- Supported Browsers: Internet Explorer 9 or higher Firefox Safari 4 or higher Chrome

Product Installation

You can place the access point on a desk or other flat surface, or you can mount it on a wall. For optimal performance, place your access point in the center of your home (or your office) in a location that is away from any potential source of interference, such as a metal wall or microwave oven. This location must be close to a power connection and your ADSL/Cable modem.

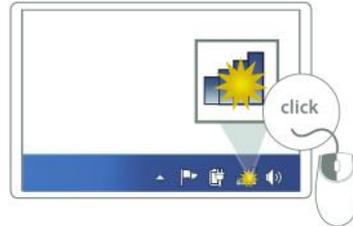


Connect the supplied power-adaptor to the power inlet port and connect it to a wall outlet. Switch the access point on by flipping the switch on the back of the device. The access point automatically enters the self-test phase. During self-test phase, the Power LED will be lit continuously to indicate that this product is in normal operation.

Setup your Computer

Windows, Manual Connection

- Click on the icon for wireless connectivity. This is usually located in the System Tray, next to the clock.



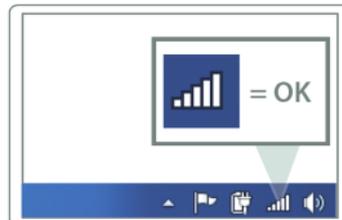
- Select the Sitecom network. The correct network name can be found on the sticker on bottom of the router, or in the Network Details Folder.



- Fill in the password for the wireless network. The correct password can be found on the sticker on the bottom of the router, or in the Network Details Folder.

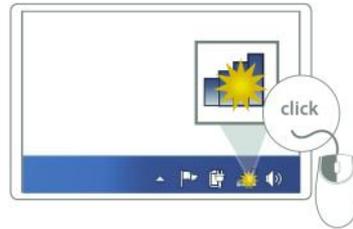


- Wait for the icon to display that it's connected to the network.



Windows, OPS Connection

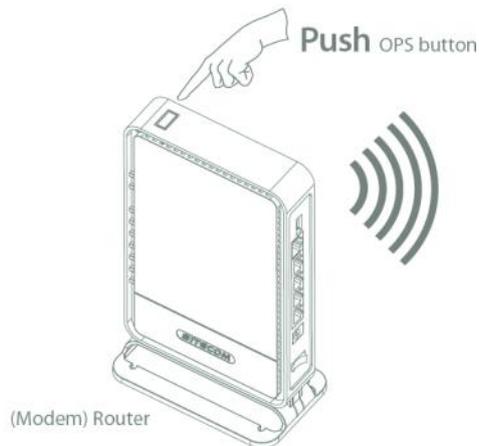
- Click on the icon for wireless connectivity. This is usually located in the System Tray, next to the clock.



- Select the Sitecom network. The correct network name can be found on the sticker on bottom of the router, or in the Network Details Folder.



- Push the OPS Button on the router. For 2.4GHz, press the 2.4GHz button. For 5GHz, press the 5GHz button.

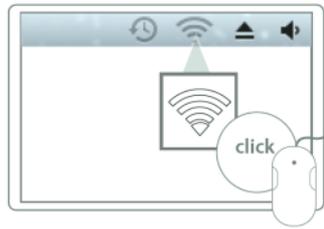


- Wait for the icon to display that it's connected to the network.



Mac OSX

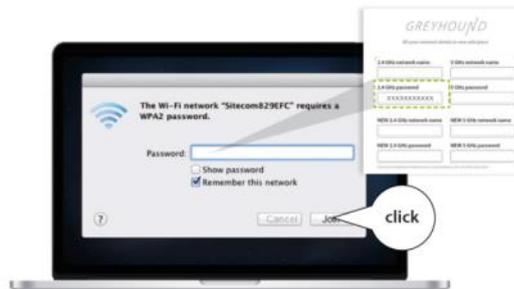
- Click on the icon for wireless connectivity. This is usually located in the System Tray, next to the clock.



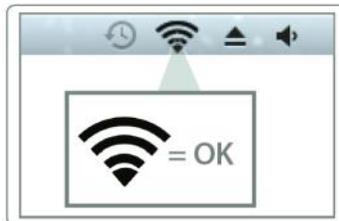
- Select the Sitecom network. The correct network name can be found on the sticker on bottom of the router, or in the Network Details Folder.



- Fill in the password for the wireless network. The correct password can be found on the sticker on the bottom of the router, or in the Network Details Folder.



- Wait for the icon to display that it's connected to the network.



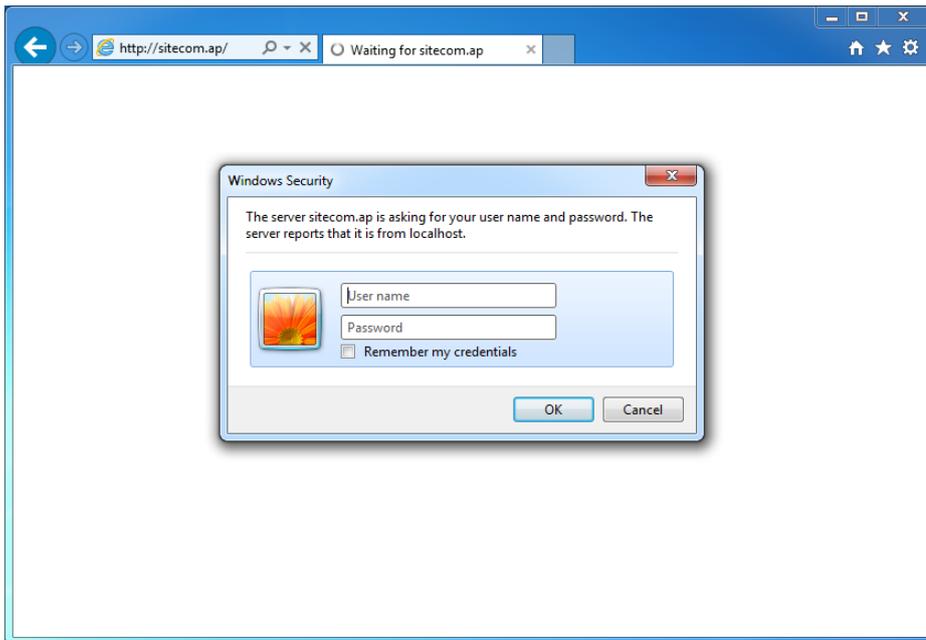
Configuration

LOGIN procedure

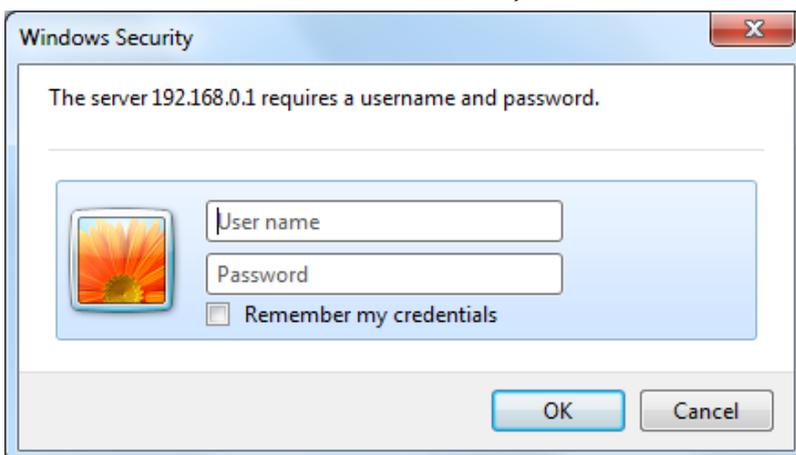
1. OPEN your browser (e.g. Internet Explorer).



2. Type <http://sitecom.ap> in the address bar and press [Enter]



3. Type user name and password (default username is 'admin', the password can be found on the back of the Access Point).



4. Click OK.
5. You will see the home page of the WLX-7000.

Status

System Status

The System status section allows you to monitor the current status of your device, the UP time, hardware information, serial number as well as firmware version information is displayed here.

Wi-Fi access point AC1200



Status | 2.4GHz WiFi | 5GHz WiFi | Toolbox | Choose your language ▾

System Status | LAN settings | Device Status | Log | Statistics

You can use the Status page to monitor the connection status for the WAN/LAN interfaces, firmware and hardware version numbers, any illegal attempts to access your network and information on all DHCP client PCs currently connected to your network.

System

Model :	WLX-7000
Uptime :	0 day 00:08:03
Hardware Version :	Rev. A
Serial Number :	WLX700054700003
Boot Code Version :	4.0.1.6
Runtime Code Version :	1.00

LAN settings

This device provides some control functions including IP address management, and DHCP server function.



Status | 2.4GHz WiFi | 5GHz WiFi | Toolbox | Choose your language

System Status | LAN settings | Device Status | Log | Statistics

You can enable the Broadband routers DHCP server to dynamically allocate IP Addresses to your LAN client PCs. The broadband router must have an IP Address for the Local Area Network.

LAN IP	
Bridge Type :	Dynamic IP
IP Address :	192.168.0.1
IP Subnet Mask :	255.255.255.0
Default Gateway :	0.0.0.0
802.1d Spanning Tree :	Disabled
DHCP Server :	Disabled
Lease Time :	One Week

DHCP Server	
Start IP :	192.168.0.100
End IP :	192.168.0.200
Hostname :	sitcom.ap

Apply Cancel

IP Address

You can change the IP address of this device, so it can become a part of your local network. Please remember this address or you will not be able to connect the configuration menu of device.

Default Gateway

Please input the IP address of default gateway of your network here.

DHCP Server

If you want to activate the DHCP server function of this device, please select 'Enabled' in the 'DHCP Server' option, and see the next Section for detailed instructions. If you don't want to use the DHCP server function of this device, or there's another DHCP server on the network this device connects to, please select 'Disable'. After you finish, please go to the bottom of this page and click 'Apply'.

Lease Time

Please choose a lease time (the duration that every computer can keep a specific IP address) of every IP address assigned by this access point from dropdown menu.

DHCP Start IP

Please input the start IP address of the IP range.

DHCP End IP

Please input the end IP address of the IP range.

Hostname

If you wish, you can also optionally input the domain name for your network. This is optional.

After you finish, please click 'Apply'.

Device Status

View the router's current configuration settings. Device Status displays the configuration settings you've configured in the Internet Settings and WiFi Settings sections.

Wi-Fi access point AC1200



Status | 2.4GHz WiFi | 5GHz WiFi | Toolbox | Choose your language ▾

System Status | LAN settings | **Device Status** | Log | Statistics

View the current setting status of this device .

Mode : AP

2.4G Wireless Configuration

Channel : 10

SSID_1

ESSID : Sitecom41AA74

Security : WPA Pre-shared Key

BSSID : 64:D1:A3:41:AA:74

5G Wireless Configuration

Channel : 36

SSID_1

ESSID : Sitecom41AA75

Security : WPA Pre-shared Key

BSSID : 64:D1:A3:41:AA:75

LAN Configuration

IP Address : 10.0.0.32

Subnet Mask : 255.255.255.0

MAC Address : 64:D1:A3:41:AA:74

Log

This page shows the current system log of the access point. It displays any event that occurred during or after system start up. At the bottom of the page, the system log can be saved <Save> to a local file for further processing or the system log can be cleared <Clear> or it can be refreshed <Refresh> to get the most updated information. When the system is powered down, the system log will disappear if not saved to a local file.

Wi-Fi access point AC1200



Status | 2.4GHz WiFi | 5GHz WiFi | Toolbox | Choose your language ▾

System Status | LAN settings | Device Status | **Log** | Statistics

View the system operation information. You can see the system start up time, connection process...etc. here.

```
Feb 22 10:21:41 [SYSTEM]: WLAN[24G] (#0), STA(00:23:14:ce:79:2c) had associated successfully
Feb 22 10:21:41 [SYSTEM]: WLAN[24G] (#0), STA(00:23:14:ce:79:2c) set key done in WPA2/WPA2PSK
Feb 22 10:21:41 [SYSTEM]: WLAN[24G] (#0), STA(00:23:14:ce:79:2c) had authenticated successfully
Feb 22 10:21:24 [SYSTEM]: WLAN[24G] (#0), STA(00:23:14:ce:79:2c) had deauthenticated
Feb 22 10:21:24 [SYSTEM]: WLAN[24G], BSS(ra0) WPS Send WacNack!
Feb 22 10:21:24 [SYSTEM]: WLAN[24G], BSS(ra0) WPS Send M1!
Feb 22 10:21:23 [SYSTEM]: WLAN[24G] (#0), STA(00:23:14:ce:79:2c) had authenticated successfully
Feb 22 10:20:05 [SYSTEM]: WLAN[24G], BSS(ra0) CE Adaptive Tx start
Feb 22 10:20:04 [SYSTEM]: WLAN[24G], BSS(ra0) CE Adaptive Tx stop
Feb 22 10:18:27 [SYSTEM]: WLAN[24G], BSS(ra0) channel switch to 10
Feb 22 10:18:20 [SYSTEM]: NTP, get real time from NTP server.
Jan 1 00:00:22 [SYSTEM]: WLAN[5G], WSC UPnP start
Jan 1 00:00:20 [SYSTEM]: WLAN[5G], Channel = 36
Jan 1 00:00:20 [SYSTEM]: WLAN[5G], CountryRegion = 6
Jan 1 00:00:19 [SYSTEM]: WLAN[2.4G], WSC UPnP start
Jan 1 00:00:18 [SYSTEM]: WLAN[2.4G], Channel = AutoSelect
Jan 1 00:00:18 [SYSTEM]: WLAN[2.4G], CountryRegion = 1
Jan 1 00:00:14 [SYSTEM]: WLAN[24G], BSS(ra0) channel switch to 10
Jan 1 00:00:14 [SYSTEM]: HTTP, start
Jan 1 00:00:14 [SYSTEM]: HTTPD, Stopping
Jan 1 00:00:14 [SYSTEM]: NTP, start NTP Client
```

Save Clear Refresh

Statistics

Shows the counters of packets sent and received on LAN and WLAN.

Wi-Fi access point AC1200



Status | 2.4GHz WiFi | 5GHz WiFi | Toolbox | Choose your language ▾

System Status | LAN settings | Device Status | Log | **Statistics**

This page shows the packet counters for transmission and reception regarding to networks.

2.4G Wireless LAN :	<i>Sent Packets</i>	49804
	<i>Received Packets</i>	47098
5G Wireless LAN :	<i>Sent Packets</i>	488
	<i>Received Packets</i>	0
Ethernet :	<i>Sent Packets</i>	603
	<i>Received Packets</i>	0

Refresh

Wi-Fi Settings

You can set parameters that are used for the wireless stations to connect to this access point for the 2.4 GHz radio or 5 GHz radio.

Wireless Function

Enable or Disable Wireless function here. Click Apply and wait for module to be ready & loaded.

Wi-Fi access point AC1200



Status | 2.4GHz WiFi | 5GHz WiFi | Toolbox | Choose your language ▾

Enable | Basic | Advanced | Security | ACL | WPS

The gateway can be quickly configured as a wireless access point for roaming clients by setting the SSID and channel number. It also supports data encryption and client filtering.

Enable or Disable Wireless Module Function : Enable Disable

Apply

Basic Settings

Wi-Fi access point AC1200



Status | **2.4GHz WiFi** | 5GHz WiFi | Toolbox | Choose your language ▾

Enable Basic Advanced Security ACL WPS

This page allows you to define ESSID, and Channel for the wireless connection. These parameters are used for the wireless stations to connect to the Access Point .

Mode :	AP ▾
Band :	2.4 GHz (802.11b/g/n) ▾
Enable SSID#	1 ▾
SSID1 :	Sitecom41AA74
Channel :	Auto ▾

Apply Cancel

Band

Please select the wireless band you wish to use. By selecting a different band setting, you'll be able to allow or deny the wireless clients on a certain band.

SSID

Please input the ESSID (the name used to identify this wireless access point) here. You can input up to 32 alphanumerical characters. PLEASE NOTE THAT THE ESSID IS CASE SENSITIVE.

Channel Number

Please select a channel number you wish to use. The channel number must be same as the wireless access point you wish to connect.

Advanced

This tab allows you to set the advanced wireless options. The options included are Channel Bandwidth, Fragment Threshold, RTS Threshold, Beacon Interval, and Preamble Type. You should not change these parameters unless you know what effect the changes will have on the access point.

Wi-Fi access point AC1200



Status | 2.4GHz WiFi | 5GHz WiFi | Toolbox | Choose your language ▾

Enable | Basic | Advanced | Security | ACL | WPS

These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Broadband router .

Fragment Threshold :	<input type="text" value="2346"/>	(256-2346)
RTS Threshold :	<input type="text" value="2347"/>	(1-2347)
Beacon Interval :	<input type="text" value="100"/>	(20-1000 ms)
DTIM Period :	<input type="text" value="1"/>	(1-255)
Data Rate :	<input type="text" value="Auto"/>	
N Data Rate :	<input type="text" value="Auto"/>	
Channel Bandwidth :	<input checked="" type="radio"/> Auto 20/40 MHz <input type="radio"/> 20 MHz	
Preamble Type :	<input type="radio"/> Long Preamble <input checked="" type="radio"/> Short Preamble	
CTS Protection :	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
Tx Power :	<input type="text" value="100 %"/>	

Fragment Threshold

Set the Fragment threshold of wireless radio. The default value is 2346.

RTS Threshold

Set the RTS threshold of wireless radio. The default value is 2347.

Beacon Interval

Set the beacon interval of wireless radio. The default value is 100.

DTIM Period

Set the DTIM period of wireless radio. The default value is 3.

Data Rate

Set the wireless data transfer rate to a certain value. Since most wireless devices will negotiate with each other and pick a proper data transfer rate automatically, it's not necessary to change this value unless you know what will happen after modification.

N Data Rate

Set the data rate of 802.11 N clients, available options are MCS 0 to MCS 15. It's safe to set this option to 'Auto' and it's not necessary to change this value unless you know what will happen after modification.

Channel Width

Select wireless channel width (bandwidth taken by wireless signals of this access point). It's suggested to select 'Auto 20/40MHz'. Do not change to '20 MHz' unless you know what it is.

Preamble Type

Set the type of preamble of wireless radio. The default setting is 'Short Preamble'.

CTS Protect

Enabling this setting will reduce the chance of radio signal collisions between 802.11b and 802.11g wireless access points. It's recommended to set this option to 'Auto'.

TX Power

You can set the output power of wireless radio. Unless you're using this wireless access point in a really big space, you may not have to set output power to 100%. This will enhance security (malicious / unknown users on a distance will not be able to reach your wireless access point).

Security

This device provides many types of wireless security (wireless data encryption). When you use data encryption, data transferred by radio signals in the air will become unreadable for those people who don't know the correct encryption key (encryption password).

There are three types of security level you can select: Disable (no security - data encryption disabled), WEP and WPA Pre-shared Key. Please refer to the following sections for detailed instructions.

The screenshot shows the configuration page for a Sitecom AC1200 Wi-Fi access point. The page title is "Wi-Fi access point AC1200" with the Sitecom logo. A navigation bar includes "Status", "2.4GHz WiFi", "5GHz WiFi", "Toolbox", and "Choose your language". Below this is a tabbed interface with "Enable", "Basic", "Advanced", "Security", "ACL", and "WPS". The "Security" tab is active, displaying a warning: "This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network. .". The configuration fields are: "SSID Selection" (Sitecom41AA74), "Broadcast ESSID" (Enable), "WMM" (Enable), "Encryption" (WPA Pre-shared Key), "WPA Type" (radio buttons for WPA(TKIP), WPA2(AES) [selected], WPA2 Mixed), "Pre-shared Key Type" (Passphrase), and "Pre-shared Key" (P4YPVRF2RF9M). "Apply" and "Cancel" buttons are at the bottom right.

Disabled

When you select 'Disabled', wireless encryption for the network is disabled. This is not recommended.

Click <Apply> at the bottom of the screen to save the above configuration. You can now configure other sections by choosing Continue, or choose Apply to apply the settings and reboot the device.

WEP

Key Length You can select the WEP key length for encryption, 64-bit or 128-bit. The larger the key will be the higher level of security is used, but the throughput will be lower.

Key Format You may select ASCII Characters (alphanumeric format) or Hexadecimal Digits (in the "A-F", "a-f" and "0-9" range) to be the WEP Key.

Key1 - Key4 The WEP keys are used to encrypt data transmitted in the wireless network. Use the following rules to setup a WEP key on the device. 64-bit WEP: input 10-digits Hex values (in the "A-F", "a-f" and "0-9" range) or 5-digit ASCII character as the encryption keys. 128-bit WEP: input 26-digit Hex values (in the "A-F", "a-f" and "0-9" range) or 13-digit ASCII characters as the encryption keys.

Click <Apply> at the bottom of the screen to save the above configuration. You can now configure other sections by choosing Continue, or choose Apply to apply the settings and reboot the device.

WPA

WPA Unicast Cipher Suite

Available options are: WPA (TKIP), WPA2 (AES), and WPA2 Mixed. You can select one of them, but you have to make sure your wireless client supports the cipher you selected.

Pre-shared Key Format

Please select the format of pre-shared key here, available options are 'Passphrase' (8 to 63 alphanumerical characters) and 'Hex (64 hexadecimal characters - 0 to 9 and a to f).

Pre-shared Key

Please input pre-shared key according to the key format you selected here. For security reason, don't use simple words.

WPS

Wi-Fi Protected Setup (WPS) is the simplest way to establish a connection between the wireless clients and the wireless router. You don't have to select the encryption mode and fill in a long encryption passphrase every time when you try to setup a wireless connection. You only need to press a button on both wireless client and wireless router, and WPS will do the rest for you.

The Push button on the WLX-7000 has 2 functions:

Client mode: If you push the button for 0-5 seconds the device acts as a WPS enrollee. In this mode it's set to connect to your existing Wireless network. You have to push the button on your router within 2 minutes.

AP mode: If you push the button for 5-10 seconds the device acts as a WPS registrar. In this mode it's set to connect client devices to the WLX-7000. You have to push the button on the wireless client or in the utility of the wireless client within 2 minutes.

If you want to use the PIN code, you have to know the PIN code of the wireless client and switch it to WPS mode, then fill-in the PIN code of the wireless client through the web configuration interface of the wireless router.

The screenshot shows the web configuration interface for a Sitecom AC1200 Wi-Fi access point. The page title is "Wi-Fi access point AC1200" and the Sitecom logo is in the top right. The navigation bar includes "Status", "2.4GHz WiFi", "5GHz WiFi", "Toolbox", and a language selection dropdown. The "WPS" tab is selected in the sub-menu. The main content area shows the WPS settings:

- WPS:** Enable
- PIN Function:** Enable

Wi-Fi Protected Setup Information

WPS Current Status:	Configured	Release Configuration
Self Pin Code:	43034765	
SSID:	Sitecom41AA74	
Authentication Mode:	WPA2 Pre-Shared Key	
Passphrase Key:	P4YPVRF2RF9M	
WPS via Push Button:	Start to Process	
WPS via PIN:	<input type="text"/>	Start to Process

Check the box to enable the WPS function and uncheck it to disable the WPS function.

WPS Current Status

If the wireless security (encryption) function of this wireless router is properly set, you'll see a 'Configured' message here. Otherwise, you'll see 'UnConfigured'.

Self Pin Code

This is the WPS PIN code of the wireless router. You may need this information when connecting to other WPS-enabled wireless devices.

SSID

This is the network broadcast name (SSID) of the router.

Authentication Mode

It shows the active authentication mode for the wireless connection.

Passphrase Key

It shows the passphrase key that is randomly generated by the wireless router during the WPS process. You may need this information when using a device which doesn't support WPS.

Mode

In Client mode the device is set to connect to your existing network. In Registrar mode the device is set to connect to your clients.

WPS via Push Button

Press the button to start the WPS process. The device will wait for the WPS request from the wireless devices within 2 minutes.

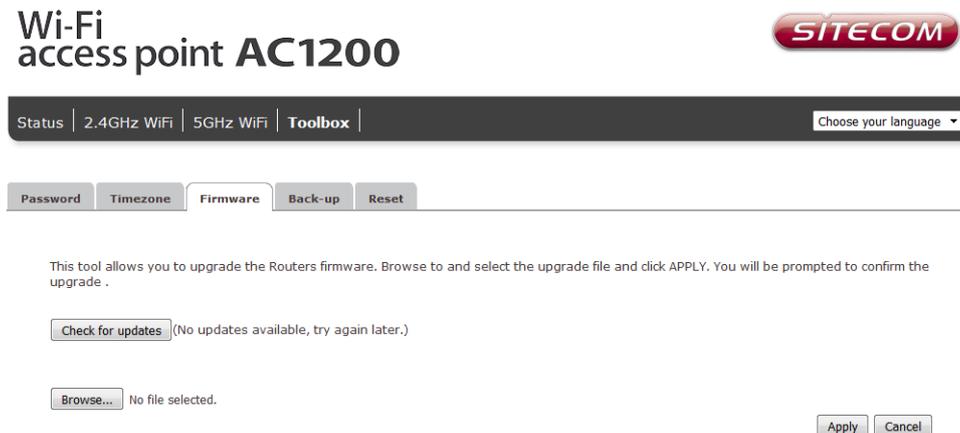
WPS via PIN

You can fill-in the PIN code of the wireless device and press the button to start the WPS process. The router will wait for the WPS request from the wireless device within 2 minutes.

Toolbox Settings

Firmware

If there is a new firmware available, you can upload the firmware to the device to get extra functions or problem fixes.



Click the 'Browse' button. You'll be prompted to provide the filename of the firmware upgrade file. Please download the latest firmware file from our website, and use it to upgrade your device.

After a firmware file is selected, click the 'Apply' button, and the device will start the firmware upgrade procedure automatically. The procedure may take several minutes, so please be patient.

Alternatively, press the 'Check for updates' button to allow the access point to check on the Sitecom update server for a new firmware.

NOTE: Never interrupt the upgrade procedure by closing the web browser or physically disconnecting your computer from the device.

Back-up

You can back up all configurations of this device to a file, so you can make several copies of access point configuration for security reasons.

The screenshot shows the web interface for a Sitecom Wi-Fi access point AC1200. At the top, there is a navigation bar with links for Status, 2.4GHz WiFi, 5GHz WiFi, and Toolbox. A language selection dropdown is on the right. Below this is a menu with tabs for Password, Timezone, Firmware, Back-up, and Reset. The Back-up section is active, displaying instructions: "Use BACKUP to save the routers current configuration to a file named config.bin. You can use RESTORE to restore the saved configuration. Alternatively, you can use RESTORE TO FACTORY DEFAULT to force the router to restore the factory default settings .". Three rows of controls are visible: "Restore to Factory Default" with a "Reset" button; "Backup Settings" with a "Save" button; and "Restore Settings" with a "Browse..." button, the text "No file selected.", and an "Upload" button.

Restore to Factory Default

Click this button to remove all settings you made and restore the configuration of this device back to factory default settings.

Backup Settings

Press 'Save...' button, and you'll be prompted to download the configuration as a file. The default filename is 'config.bin'. You can save it as another filename for different versions, and keep it in a safe place.

Restore Settings

Press 'Browse...' to pick a previously-saved configuration file from your computer, and then click 'Upload' to transfer the configuration file to the device. After the configuration is uploaded, the configuration will be replaced by the file you just uploaded.

Reset

When you think the device is not working properly, you can use this function to restart the device; this may help and solve the problem.

Wi-Fi access point AC1200



Status | 2.4GHz WiFi | 5GHz WiFi | **Toolbox** | Choose your language ▾

Password | Timezone | Firmware | Back-up | **Reset**

In the event the system stops responding correctly or stops functioning, you can perform a reset. Your settings will not be changed. To perform the reset, click on the APPLY button. You will be asked to confirm your decision. The reset will be completed when the LED Power light stops blinking .

Apply

This function is useful when the device is far from you or unreachable. However, if the device is not responding, you may have to switch it off by unplugging the power plug and plugging it back again after 10 seconds.

Addendum A: GNU/GPL Information

Parts of the firmware of the WLX-7000 Wi-Fi AC1200 Gigabit Access Point are subject to the [GNU general public license](#).

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Specifically, the following part of this product is subject to the GNU GPL:

#	Package	Source	version	GPL
1	Kernel version	https://www.kernel.org/	3.2.9	GPL V2
2	Busybox	http://www.busybox.net/downloads/	1.19.4	GPL V2
3	Mtd-util	http://www.filewatcher.com/m/mtd-utils-1.4.6.tar.gz.337429-0.html	1.4.6	GPL V2
4	Bridge-utils	http://www.linuxfromscratch.org/blfs/view/svn/basicnet/bridge-utils.html	1.5	GPL V2
5	Utelnetd	www.pengutronix.de/software/utelnetsd/download/	0.1.9	GPLv2
6	Ebtables	http://en.sourceforge.jp/projects/sfnet_ebtables/downloads/ebtables/ebtables-2-0-10-4/ebtables-v2.0.10-4.tar.gz/	2.0.10	GPLv2
7	Iproute2	http://pkgs.fedoraproject.org/repo/pkgs/iproute/iproute2-2.6.39.tar.gz/8a3b6bc77c2ecf752284aa4a6fc630a6/	2.6.39	GPLv2
8	Ntpclient	http://doolittle.icarus.com/ntpclient/	2010-365	GPLv2
9	Udhcp	http://freecode.com/projects/udhcp	0.9.9	GPLv2
10	Dnsmasq	http://www.thekelleys.org.uk/dnsmasq/	2.59	GPLv2
11	iptables	http://www.netfilter.org/projects/iptables/downloads.html	1.4.13	GPLv2
12	uClibc	http://www.uclibc.org/	0.9.33.2	LGPL
13	Libcgi	http://sourceforge.net/projects/libcgi/	1.0	LGPL
14	libdaemon	http://www.filewatcher.com/m/libdaemon-0.14.tar.gz.52-0.html	0.14	LGPL

Availability of source code

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