



ALL-WAPC0450C

Wireless Controller für WAP-C-Serie



Kurzanleitung

Standardeinstellungen

IP: 192.168.1.239

User Name: admin

Password: admin

Bitte ändern Sie aus Sicherheitsgründen nach der endgültigen Konfiguration die Standard-Passwörter des Gerätes!

Besuchen Sie unser Downloadportal um aktuelle Firmware / Dokumente / Software zu erhalten:

<http://www.allnet.de/downloads.html>

Weitere Hilfestellungen finden Sie auch online in unserem Service Portal:

<http://service.allnet.de/>

Verpackungsinhalt

Bitte überprüfen Sie den Inhalt der Verpackung, bevor Sie mit der Inbetriebnahme des ALL-WAPC0450C fortfahren.

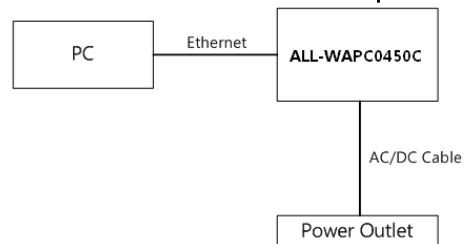
- ALL-WAPC0450C Controller Switch
- 48V / 1,75A Netzteil
- Wandhalterung
- Gummifußpads
- CD mit Handbuch
- Gedruckte Kurzanleitung

Please use only the power supply unit that is delivered with the device.
Bitte verwenden Sie nur das mitgelieferte Netzteil.

Den ALL-WAPC0450C verbinden

- 1) Stellen Sie sicher dass Ihr Computer eine Ethernetkarte (RJ-45 Ethernet Port) besitzt. Für mehr Informationen vergleichen Sie dazu Ihr Benutzerhandbuch.
- 2) Verbinden Sie das eine Ende des Ethernet-Kabels der Kategorie 5e in den RJ-45-Port des ALL-WAPC0450C und das andere Ende an den RJ-45-Anschluss am Computer, der den ALL-WAPC0450C verwendet. Stellen Sie sicher, dass das Kabel richtig an dem ALL-WAPC0450C und dem Computer angeschlossen ist.
- 3) Schließen Sie den DC Stecker des Netzteils an die **DC-IN** Buchse am ALL-WAPC0450C und das Netzteil an den Stromanschluß.

Bitte verwenden Sie nur das mitgelieferte Netzteil!



IP Adressen - Konfiguration

- 1) Stellen Sie sicher das der ALL-WAPC0450C und ihr Computer eingeschaltet und miteinander verbunden sind
- 2) Für die nächsten Schritte sollten Sie gegeben falls auch in Ihrem Betriebssystemhandbuch nachschlagen.
- 3) Wenn Ihr Computer eingeschaltet ist, stellen Sie sicher das Ihr TCP/IP Protokoll eingerichtet und an ist. (In der Systemsteuerung, doppelklicken Sie auf Netzwerkverbindungen, und dann auf die Verbindung Ihrer Netzwerkkarte(NIC)). Wählen Sie **Internet Protocol (TCP/IP)** aus und klicken Sie auf den **Eigenschaft** Button.
- 4) Wenn Ihr PC bereits in einem Netzwerk ist, stellen Sie sicher dass der Computer (oder die Ethernet Karte die mit dem Gerät verbunden ist) auf eine Statische IP Adresse von **192.168.1.2** und die Subnet Adress Maske auf **255.255.255.0** gesetzt ist. (Wählen Sie **Folgende IP Adresse verwenden** Option aus). Wenn dann Ihr dann Computer fertig vorbereitet ist, können Sie mit Konfiguration des ALL-WAPC0450C beginnen.

ALL-WAPC0450C Setup

- 1) Zum Konfigurieren des ALL-WAPC0450C öffnen Sie einen Webbrowser (**z.B.:** Microsoft Internet Explorer, Mozilla Firefox, Google Chrome, etc.).
- 2) In der Adress-Leiste des Webbrowsers tippen Sie **192.168.1.239** (die Standard IP Adresse des ALL-WAPC0450C) und drücken Sie Enter.

http://192.168.1.239

- 3) Ein Login-Bildschirm erscheint. Standardmäßig ist der Benutzername des ALL-WAPC0450C **admin** und das Passwort **admin**. Geben Sie den aktuellen Benutzernamen und das Kennwort des ALL-WAPC0450C und klicken Sie dann auf **Login**. Wie Sie den Benutzernamen und das Kennwort ändern können finden Sie im ALL-WAPC0450C Handbuch.



- 4) Nach dem **Login** mit korrekten Benutzernamen und Kennwort erscheint das Hauptmenü des ALL-WAPC0450C. Dann können Sie weiter mit der Konfiguration des ALL-WAPC0450C fortfahren

Konfiguration des Controllers ALL-WAPC0450C

Navigieren Sie auf das Webinterface Ihres *ALL-WAPC0450C-Controllers*.

Der ALL-WAPC0450C sollte nach mehreren Scan-Intervallen automatisch die im Netzwerk angeschlossenen Access Points der C-Serie erkennen.

Bitte beachten Sie dass sich der Controller ALL-WAPC0450C als auch die AccessPoints im **selben Subnetz** befinden müssen. Eventuell wird es notwendig sein den Controller ALL-WAPC0450C auf **DHCP** zu konfigurieren oder eine neue statische IP-Adresse im Netzwerk des lokalen Routers zuzuweisen.



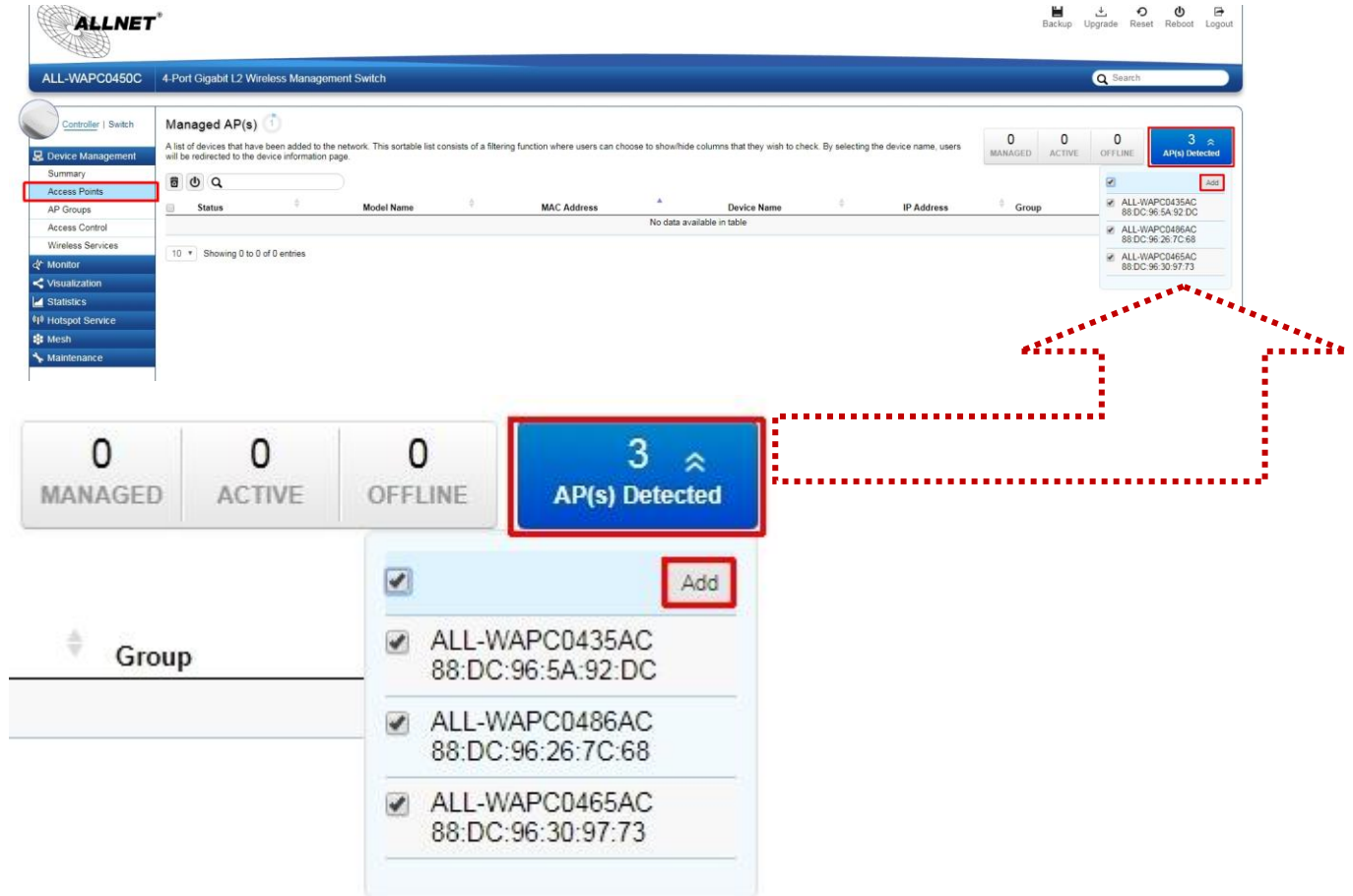
The screenshot displays the web interface for the ALLNET ALL-WAPC0450C. The top navigation bar includes the ALLNET logo and the device name 'ALL-WAPC0450C' along with the description '4-Port Gigabit L2 Wireless Management Switch'. A sidebar on the left contains a navigation menu with options: System (Summary, Network Settings, System Time, Port Settings, EEE), Management, and Diagnostics. The main content area is titled 'IPv4' and shows 'IPv4 Address Settings'. Under 'Auto Configuration', the 'DHCP' radio button is selected and highlighted with a red box. The configuration fields are as follows:

Field	Value
Auto Configuration	Static <input type="radio"/> DHCP <input checked="" type="radio"/>
IPv4 Address	192.168.2.218
Subnet Mask	255.255.255.0
Gateway	192.168.2.254
DNS Server 1	8.8.4.4
DNS Server 2	8.8.8.8

Access Points im Controller einbinden

Navigieren Sie auf den Bereich **DEVICE MANAGEMENT – ACCESS POINTS**.

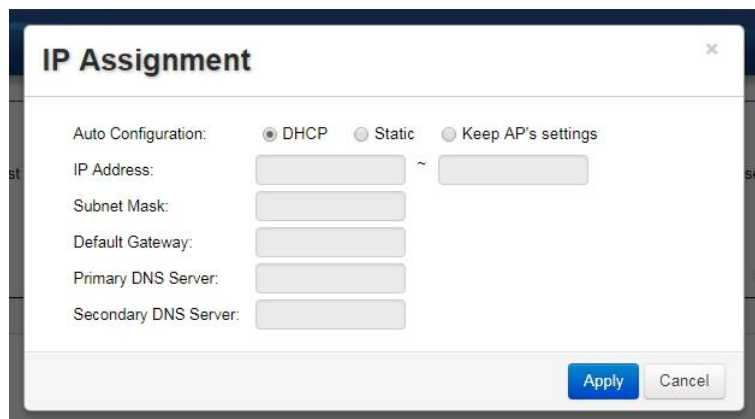
Rechts oben werden Ihnen die im Netzwerk erkannten Access Points angezeigt:



The screenshot shows the 'Managed AP(s)' section of the ALLNET web interface. The 'Access Points' menu item is highlighted in red. A red dashed arrow points from the '3 AP(s) Detected' button to a dropdown menu showing three detected APs: ALL-WAPC0435AC, ALL-WAPC0486AC, and ALL-WAPC0465AC. Each AP entry has a checked checkbox and an 'Add' button.

Markieren Sie diese und klicken Sie anschließend auf die Taste **ADD**.

Im nächsten Schritt werden Sie nach der gewünschten IP-Adressierung für die AccessPoints gefragt. DHCP ist dabei grundsätzlich zu empfehlen.



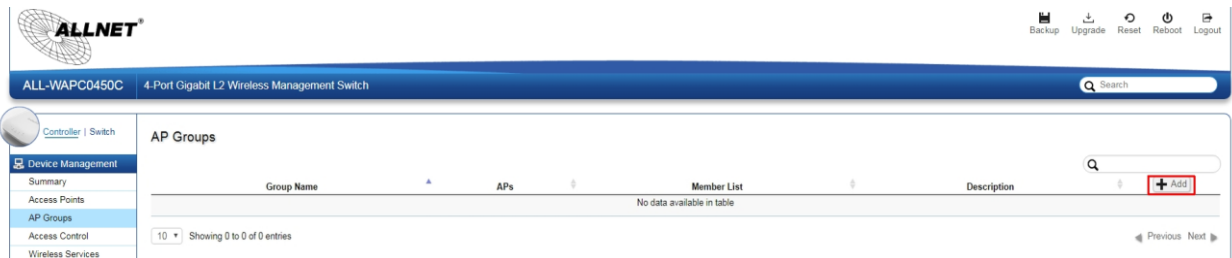
The screenshot shows the 'IP Assignment' dialog box. The 'Auto Configuration' section has 'DHCP' selected. The 'IP Address', 'Subnet Mask', 'Default Gateway', 'Primary DNS Server', and 'Secondary DNS Server' fields are empty.

Nach kurzer Zeit sollten die AccessPoints als erfolgreich eingebunden angezeigt werden :



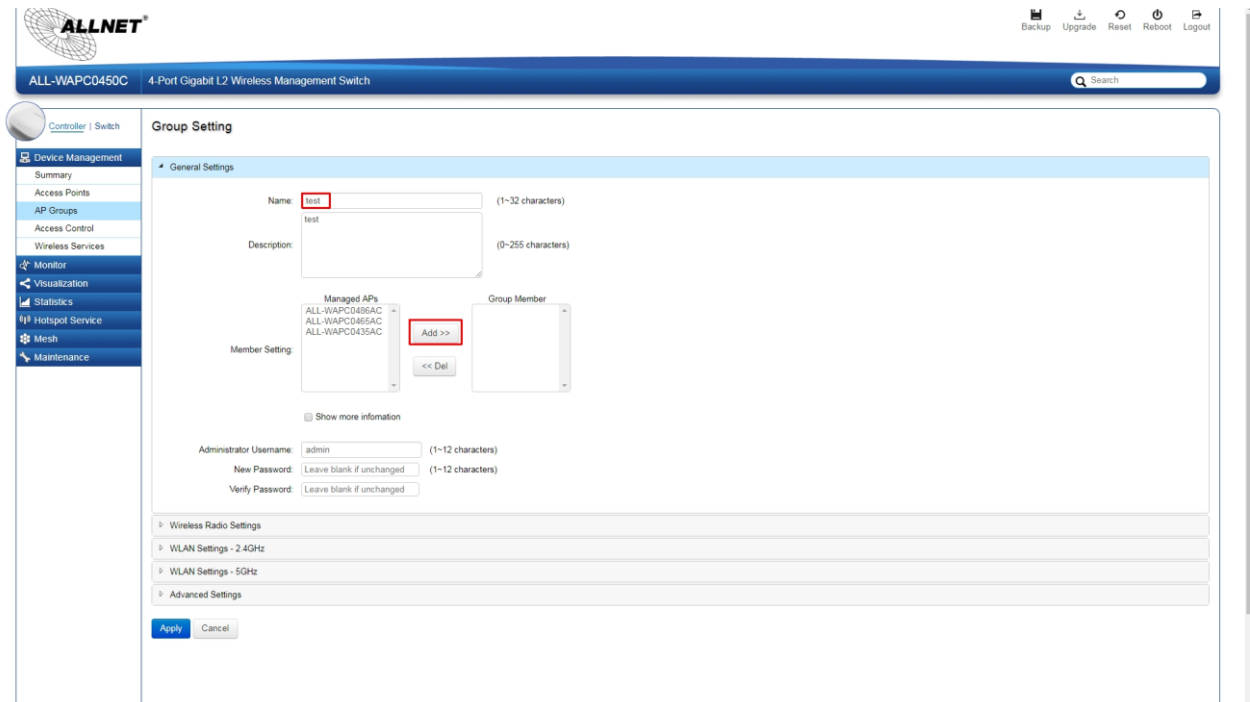
Status	Model Name	MAC Address	Device Name	IP Address	Group
Online	ALL-WAPC0486AC	88 DC 96 26 7C 68	ALL-WAPC0486AC	192.168.2.116	
Online	ALL-WAPC0465AC	88 DC 96 30 97 73	ALL-WAPC0465AC	192.168.2.115	
Online	ALL-WAPC0435AC	88 DC 96 5A 92 DC	ALL-WAPC0435AC	192.168.2.114	

Navigieren Sie nun auf den Menüpunkt **AP GROUPS**. Mit der Taste **ADD** erstellen Sie eine neue Gruppe.



Innerhalb der Group Settings können Sie nun den Namen der Gruppe festlegen, als auch alle anderen WLAN-Settings.

Im Bereich **Member Setting** können Sie die AccessPoints der Gruppe zuteilen:



Im Reiter **Wireless Radio Settings** werden die Parameter für den Funk festgelegt:

Group Setting

▷ General Settings

◀ Wireless Radio Settings

	2.4GHz	5GHz	5GHz (for 802.11ac compatible models)
Country:	Germany ▼		
Wireless Mode:	802.11 b/g/n Mixed ▼	802.11 a/n Mixed ▼	802.11 ac/n Mixed ▼
Channel HT Mode:	20MHz ▼	40MHz ▼	80MHz(AC Only) ▼
Extension Channel:	Upper Channel ▼	Upper Channel ▼	Upper Channel ▼
Channel:	Auto ▼	Auto ▼	Auto ▼
Transmit Power:	Auto ▼	Auto ▼	Auto ▼
Client Limits:	127 (1~127, 0 means no limit)	127 (1~127, 0 means no limit)	127 (1~127, 0 means no limit)
Data Rate:	Auto ▼ ?	Auto ▼ ?	Auto ▼ ?
RTS/CTS Threshold:	2346 (1~2346)	2346 (1~2346)	2346 (1~2346)
Aggregation:	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
	32 Frames (1~32)	32 Frames (1~32)	
	50000 Bytes(Max) (2304~65535)	50000 Bytes(Max) (2304~65535)	

▷ WLAN Settings - 2.4GHz

▷ WLAN Settings - 5GHz

▷ Advanced Settings

Apply Cancel

Im Reiter **WLAN Settings** können Sie sämtliche WLAN-Einstellungen vornehmen, wie zB SSID, Verschlüsselung VLAN ID etc :

Group Setting

General Settings

Wireless Radio Settings

WLAN Settings - 2.4GHz

ID	Status	SSID	Security	Encryption	Hidden SSID	Client Isolation	L2 Isolation	VLAN Isolation	VLAN ID
1	Enabled	SSID_1-2.4GHz	WPA2-PSK	AES	No	No	No	No	1
2	Disabled	SSID_2-2.4GHz	None	None	No	No	No	No	2
3	Disabled	SSID_3-2.4GHz	None	None	No	No	No	No	3
4	Disabled	SSID_4-2.4GHz	None	None	No	No	No	No	4
5	Disabled	SSID_5-2.4GHz	None	None	No	No	No	No	5
6	Disabled	SSID_6-2.4GHz	None	None	No	No	No	No	6
7	Disabled	SSID_7-2.4GHz	None	None	No	No	No	No	7
8	Disabled	SSID_8-2.4GHz	None	None	No	No	No	No	8

WLAN Settings - 5GHz

Advanced Settings

Apply Cancel

Mit einem **Klick auf die SSID** öffnet sich das Konfigurationsfenster. Konfigurieren Sie dort die WPA2-PSK – Verschlüsselung. Ebenfalls können Sie dort das **ROAMING** für diese SSID aktivieren. Speichern Sie anschließend die Änderung mit **SAVE** ab.

SSID Config

Fast Roaming (only with WPA2/WPAMix Enterprise or WPA2/WPAMix PSK security)
Enable Fast Roaming: Enable Disable

Security

- None
No Authentication.
- WEP
WEP(Wired Equivalent Privacy) is widely in use and is often the first security choice presented to users.
- WPA / WPA2 Enterprise
User should set radius server for WPA(Wi-Fi Protected Access) or WPA2 security protocol.
- WPA-PSK / WPA2-PSK
WPA with PSK(Pre-shared key/ Personal mode) is designed for home and small office networks.

WPA-PSK / WPA2-PSK

Type: WPA2-PSK

Encryption: AES

WPA Passphrase: pass2WIFI (8-63 characters)

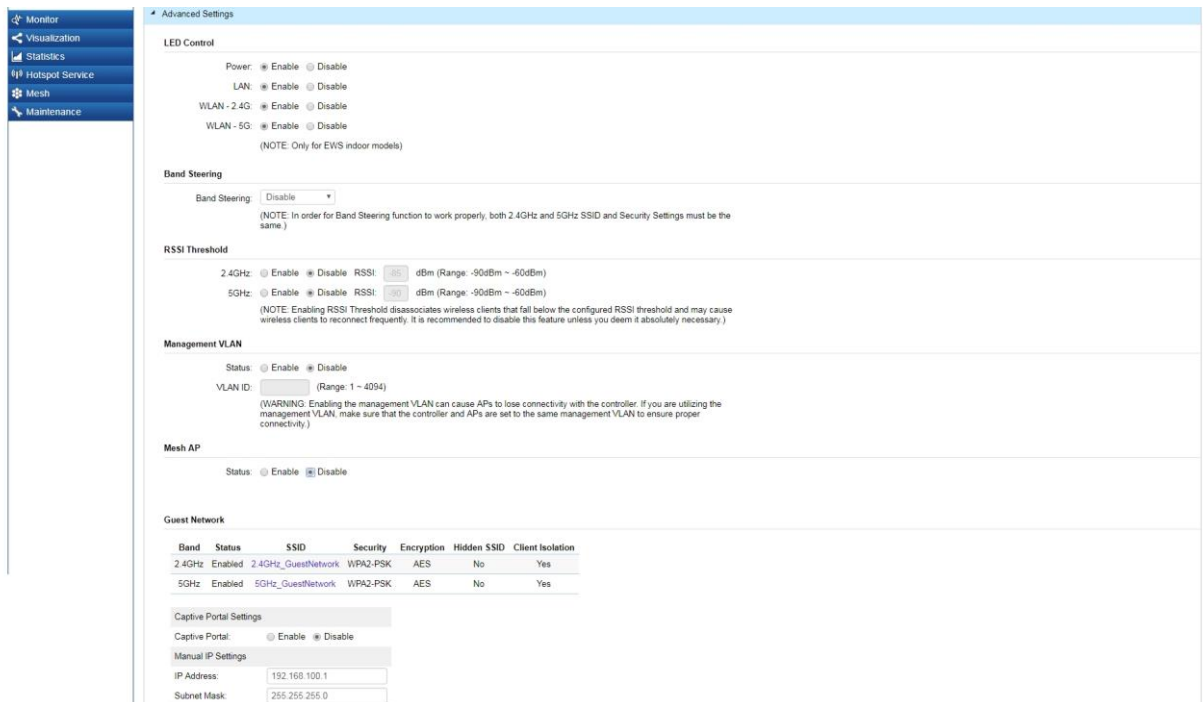
Group Key Update Interval: 3600 seconds (30-3600,0:disabled)

Save Cancel

Im Reiter **Advanced Settings** werden zusätzliche Einstellungen festgelegt.

Unter anderem können Sie dort

- BandSteering aktivieren,
- einen RSSI-Richtwert festlegen,
- die Mesh-Funktion aktivieren
- und das Gastnetzwerk aktivieren & konfigurieren:



The screenshot shows the 'Advanced Settings' page in the ALLNET web interface. The left sidebar contains navigation options: Monitor, Visualization, Statistics, Hotspot Service, Mesh, and Maintenance. The main content area is titled 'Advanced Settings' and includes several sections:

- LED Control:** Power, LAN, WLAN - 2.4G, and WLAN - 5G, each with 'Enable' and 'Disable' radio buttons. A note specifies '(NOTE: Only for EWS indoor models)'.
Power: Enable Disable
LAN: Enable Disable
WLAN - 2.4G: Enable Disable
WLAN - 5G: Enable Disable
- Band Steering:** A dropdown menu is set to 'Disable'. A note states: '(NOTE: In order for Band Steering function to work properly, both 2.4GHz and 5GHz SSID and Security Settings must be the same.)'
Band Steering: Enable Disable
- RSSI Threshold:** Settings for 2.4GHz and 5GHz. Both are set to 'Disable' with an RSSI value of 85 dBm. A note explains: '(NOTE: Enabling RSSI Threshold disassociates wireless clients that fall below the configured RSSI threshold and may cause wireless clients to reconnect frequently. It is recommended to disable this feature unless you deem it absolutely necessary.)'
2.4GHz: Enable Disable RSSI: 85 dBm (Range: -90dBm ~ -60dBm)
5GHz: Enable Disable RSSI: 85 dBm (Range: -90dBm ~ -60dBm)
- Management VLAN:** Status is 'Disable'. VLAN ID is set to 1. A warning note states: '(WARNING: Enabling the management VLAN can cause APs to lose connectivity with the controller. If you are utilizing the management VLAN, make sure that the controller and APs are set to the same management VLAN to ensure proper connectivity.)'
Status: Enable Disable
VLAN ID: 1 (Range: 1 - 4094)
- Mesh AP:** Status is 'Disable'.
Status: Enable Disable
- Guest Network:** A table showing settings for 2.4GHz and 5GHz bands.

Band	Status	SSID	Security	Encryption	Hidden SSID	Client Isolation
2.4GHz	Enabled	2.4GHz_GuestNetwork	WPA2-PSK	AES	No	Yes
5GHz	Enabled	5GHz_GuestNetwork	WPA2-PSK	AES	No	Yes

Captive Portal Settings: Captive Portal is 'Disable'. Manual IP Settings are shown with IP Address: 192.168.100.1 and Subnet Mask: 255.255.255.0.

Informationen und weitere Hilfestellungen finden Sie im Benutzerhandbuch/User Manual für den ALL-WAPC0450C unter <http://www.allnet.de/downloads.html> sowie im Service Portal unter <http://service.allnet.de>



ALL-WAPC0450C

Wireless Controller for WAP-C-Series



Quick Installation Guide (english)

DEFAULT VALUES

IP:	by DHCP
Fallback IP:	192.168.1.1
User name:	admin
Password:	admin

Please change the default passwords after the final configuration for security reasons!

To download the user manual and the latest firmware refer to:

<http://www.allnet.de/downloads.html>

Take a look into the ALLNET Service Portal for more helpful guidance:

<http://service.allnet.de/>

Package content

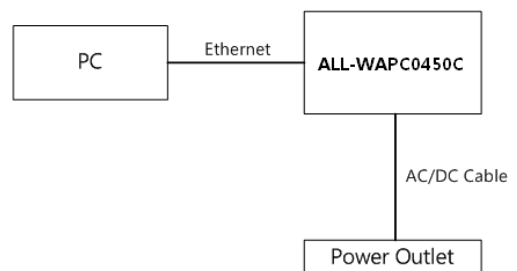
Please verify contents of the box before continuing to set up the ALL-WAPC0450C.

- ALL-WAPC0450C Controller Switch
- 48V / 1,75A power supply unit
- Wall bracket
- Rubber pads
- CD with User's Manual
- Printed Quick Install Guide

Please use only the power supply unit that is delivered with the device.

Connecting the ALL-WAPC0450C

- 4) Ensure that the computer in use has an Ethernet Card (RJ-45 Ethernet Port). For more information, verify with User Manual.
- 5) Connect one end of the Category 5e Ethernet cable into RJ-45 port of the ALL-WAPC0450C and the other end to the RJ-45 port on the computer that will use the ALL-WAPC0450C. Ensure that the cable is securely connected to both the ALL-WAPC0450C and the Computer.
- 6) Connect the Power DC Inlet to the **DC-IN** port of the ALL-WAPC0450C and the Power to the electrical out. **Please use only the supplied power adapter!**



IP address configuration

- 5) After ensuring the ALL-WAPC0450C device is powered on and plugged in, ensure that your computer is on.
- 6) For the next steps, refer to your Operating System User Manual.
- 7) Once your computer is on, ensure that your TCP/IP is set to **On** or **Enabled**. (In the control panel, double click Network Connections and then double click on the connection of your Network Interface Card (NIC). Select **Internet Protocol (TCP/IP)** and then click on the **Properties** button.)
- 8) If your PC is already on a computer network, ensure that you have set it to a Static IP Address on the interface (or Ethernet card that will use the ALL-WAPC0450C) as **192.168.1.2** and the Subnet Mask address as **255.255.255.0**. (Select **Use the following IP Address** radio button). Once the computer has been prepared, proceed to setting up the ALL-WAPC0450C.

ALL-WAPC0450C Setup

- 5) To configure ALL-WAPC0450C, open a web browser (**example:** Microsoft Internet Explorer, Mozilla Firefox, Google Chrome, etc.).
- 6) In the address bar of the web browser, enter **192.168.1.239** (the default IP address of the ALL-WAPC0450C) and hit enter.

http://192.168.1.239

- 7) A login screen will appear. By default, the username of the ALL-WAPC0450C is **admin** and the password is **admin**. Enter the current username and password of the ALL-WAPC0450C and then click **Login**. Refer to the ALL-WAPC0450C user manual on how to change the username and password.

- 8) After clicking **Login** with the correct username and password, the ALL-WAPC0450C Main Menu will appear. If you are successful, proceed to setting up the wireless connection.



Configuration of the controller ALL-WAPC0450C

Navigate to the web interface of your ALL-WAPC0450C controller.

The ALL-WAPC0450C should automatically detect the C-Series access points connected to the network after several scan intervals.

Please note that the ALL-WAPC0450C controller and the access points must be located in the **same subnet**. It may be necessary to configure the ALL-WAPC0450C controller on **DHCP** or assign a new static IP address in the local router's network.

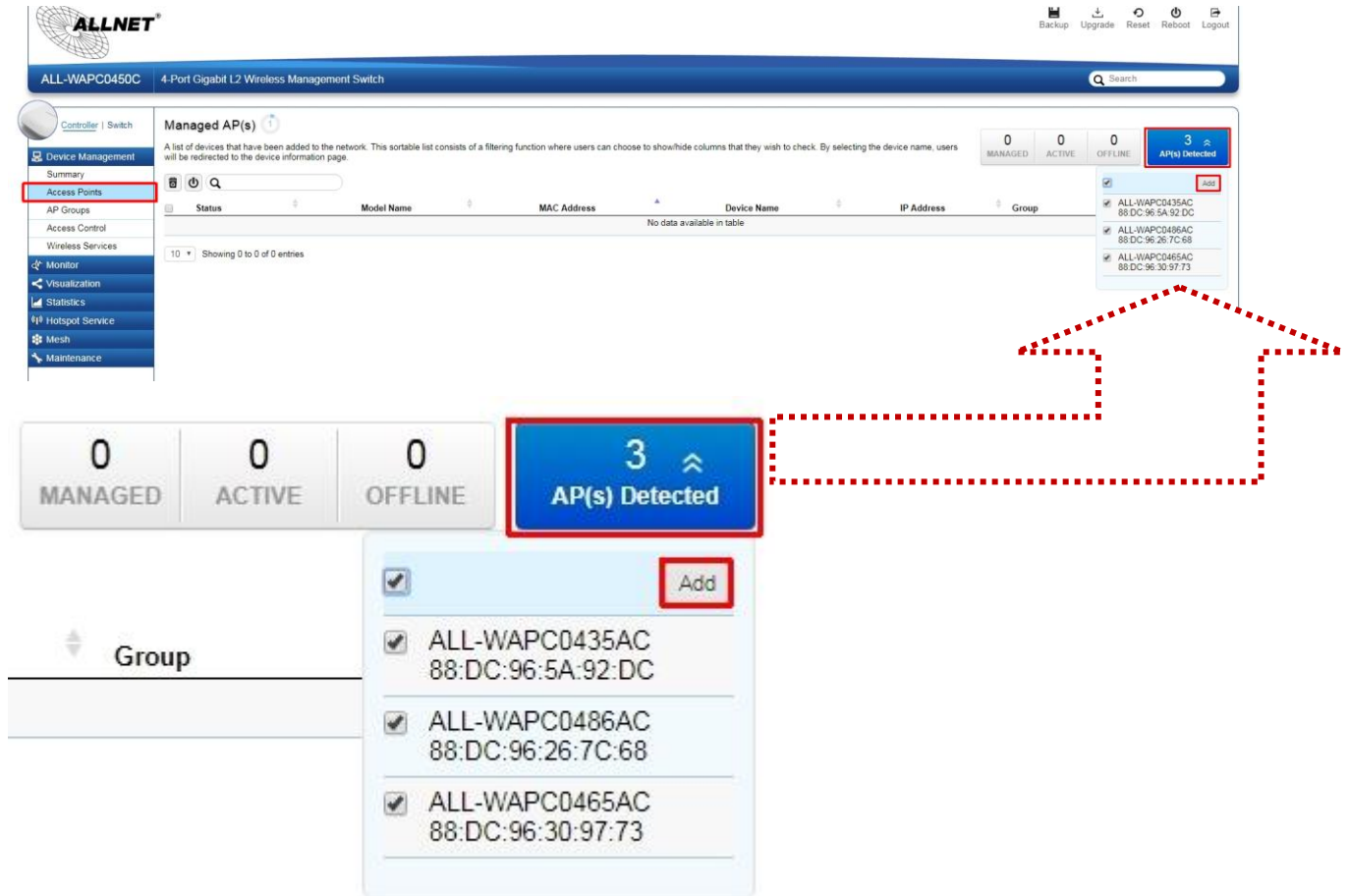


The screenshot displays the web interface of the ALLNET ALL-WAPC0450C controller. The header shows the ALLNET logo and the device name "ALL-WAPC0450C" along with the description "4-Port Gigabit L2 Wireless Management Switch". The navigation menu on the left includes "System", "Network Settings", "System Time", "Port Settings", "EEE", "Management", and "Diagnostics". The "Network Settings" section is active, showing "IPv4" settings. Under "IPv4 Address Settings", the "Auto Configuration" section has two radio buttons: "Static" and "DHCP". The "DHCP" option is selected and highlighted with a red box. Below this, the IPv4 Address is set to 192.168.2.218, Subnet Mask to 255.255.255.0, Gateway to 192.168.2.254, DNS Server 1 to 8.8.4.4, and DNS Server 2 to 8.8.8.8.

Integrating Access Points in the Controller

Navigate to the DEVICE MANAGEMENT - ACCESS POINTS area.

In the top right corner of the screen, you will see the access points detected

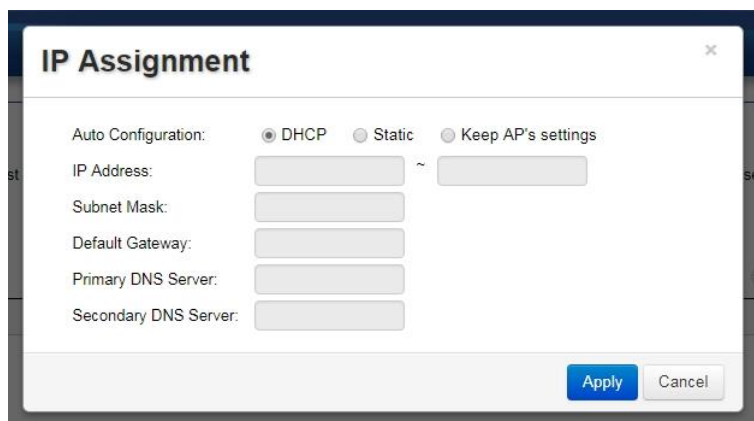


The screenshot shows the 'Managed AP(s)' section of the ALLNET web interface. The top status bar indicates 0 MANAGED, 0 ACTIVE, 0 OFFLINE, and 3 AP(s) Detected. A table below shows three detected APs with their MAC addresses. A red dashed arrow points from the '3 AP(s) Detected' button to the 'Add' button in the table.

Group	Status	Model Name	MAC Address	Device Name	IP Address	Group

Add the devices with the **ADD** button.

In the next step you will be asked for the desired IP address for the access points. DHCP is generally recommended.

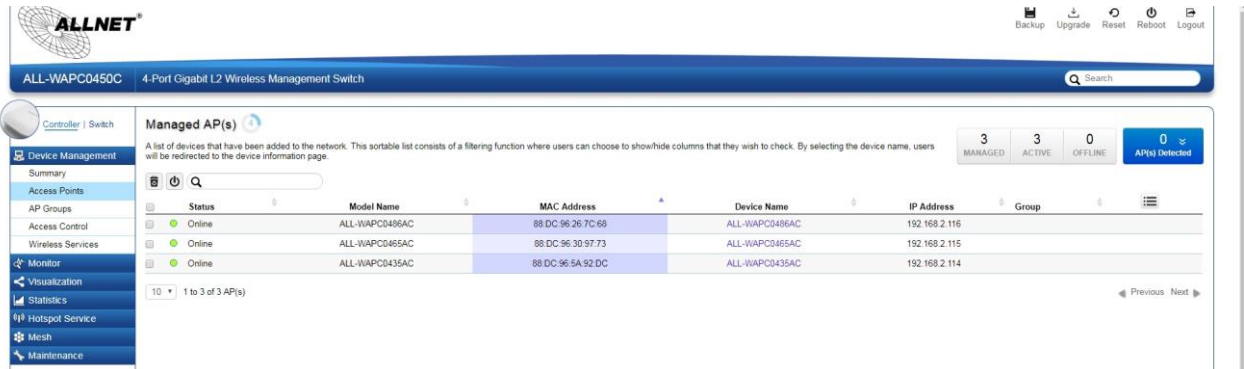


The screenshot shows the 'IP Assignment' dialog box. It has the following fields and options:

- Auto Configuration: DHCP Static Keep AP's settings
- IP Address: ~
- Subnet Mask:
- Default Gateway:
- Primary DNS Server:
- Secondary DNS Server:

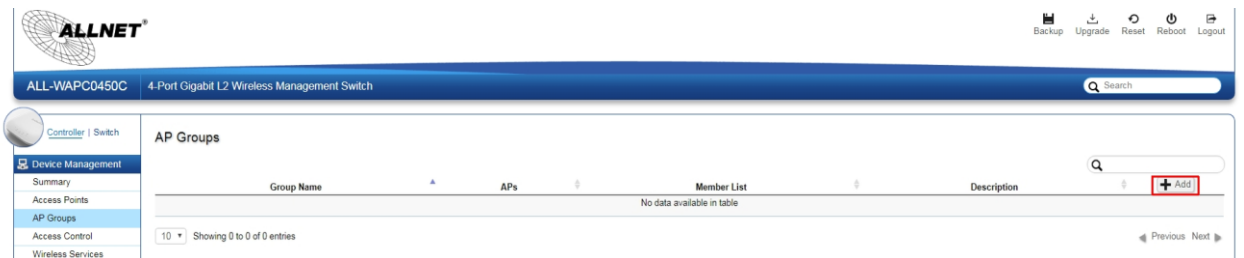
Buttons: Apply, Cancel

After a short time, the access points should be displayed as successfully adopted:



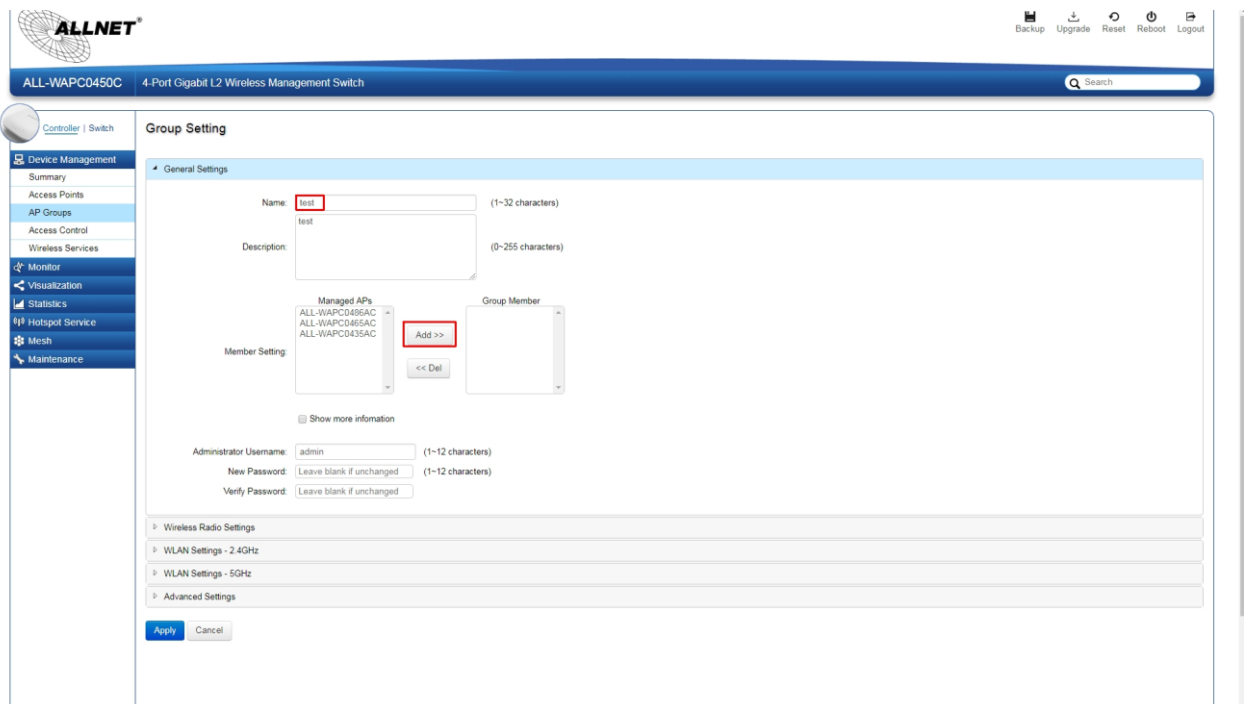
Status	Model Name	MAC Address	Device Name	IP Address	Group
Online	ALL-WAPC0486AC	88 DC 96 26 7C 68	ALL-WAPC0486AC	192.168.2.116	
Online	ALL-WAPC0465AC	88 DC 96 30 97 73	ALL-WAPC0465AC	192.168.2.115	
Online	ALL-WAPC0435AC	88 DC 96 5A 92 DC	ALL-WAPC0435AC	192.168.2.114	

Now navigate to the **AP GROUPS** menu. Use the **ADD** button to create a new group:



Within Group Settings you can now specify the name of the group as well as all other WLAN settings.

In the **Member Setting** area, you can assign the access points to the group:



In the **Wireless Radio Settings** menu, the radio parameters are set:

Group Setting

▷ General Settings			
◀ Wireless Radio Settings			
Country:	Germany ▼		
	2.4GHz	5GHz	5GHz (for 802.11ac compatible models)
Wireless Mode:	802.11 b/g/n Mixed ▼	802.11 a/n Mixed ▼	802.11 ac/n Mixed ▼
Channel HT Mode:	20MHz ▼	40MHz ▼	80MHz(AC Only) ▼
Extension Channel:	Upper Channel ▼	Upper Channel ▼	Upper Channel ▼
Channel:	Auto ▼	Auto ▼	Auto ▼
Transmit Power:	Auto ▼	Auto ▼	Auto ▼
Client Limits:	127 (1~127, 0 means no limit)	127 (1~127, 0 means no limit)	127 (1~127, 0 means no limit)
Data Rate:	Auto ▼ ?	Auto ▼ ?	Auto ▼ ?
RTS/CTS Threshold:	2346 (1~2346)	2346 (1~2346)	2346 (1~2346)
Aggregation:	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
	32 Frames (1~32)	32 Frames (1~32)	
	50000 Bytes(Max) (2304~65535)	50000 Bytes(Max) (2304~65535)	
▷ WLAN Settings - 2.4GHz			
▷ WLAN Settings - 5GHz			
▷ Advanced Settings			
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>			

In the WLAN Settings tab you can configure all WLAN settings, example SSID, WPA2 encryption; VLAN ID etc.:

Group Setting

▷ General Settings									
▷ Wireless Radio Settings									
▲ WLAN Settings - 2.4GHz									
ID	Status	SSID	Security	Encryption	Hidden SSID	Client Isolation	L2 Isolation	VLAN Isolation	VLAN ID
1	Enabled	SSID_1-2.4GHz	WPA2-PSK	AES	No	No	No	No	1
2	Disabled	SSID_2-2.4GHz	None	None	No	No	No	No	2
3	Disabled	SSID_3-2.4GHz	None	None	No	No	No	No	3
4	Disabled	SSID_4-2.4GHz	None	None	No	No	No	No	4
5	Disabled	SSID_5-2.4GHz	None	None	No	No	No	No	5
6	Disabled	SSID_6-2.4GHz	None	None	No	No	No	No	6
7	Disabled	SSID_7-2.4GHz	None	None	No	No	No	No	7
8	Disabled	SSID_8-2.4GHz	None	None	No	No	No	No	8
▷ WLAN Settings - 5GHz									
▷ Advanced Settings									

Apply Cancel

Clicking on the **SSID** opens the configuration window.

Configure now the WPA2-PSK encryption.

You can also activate the **ROAMING** function for this SSID there.

Then save the change with **SAVE**.

SSID Config

Fast Roaming (only with WPA2/WPAMix Enterprise or WPA2/WPAMix PSK security)
 Enable Fast Roaming: Enable Disable

Security

- None
No Authentication.
- WEP
WEP(Wired Equivalent Privacy) is widely in use and is often the first security choice presented to users.
- WPA / WPA2 Enterprise
User should set radius server for WPA(Wi-Fi Protected Access) or WPA2 security protocol.
- WPA-PSK / WPA2-PSK
WPA with PSK(Pre-shared key/ Personal mode) is designed for home and small office networks.

WPA-PSK / WPA2-PSK

Type: WPA2-PSK

Encryption: AES

WPA Passphrase: pass2WIFI (8-63 characters)

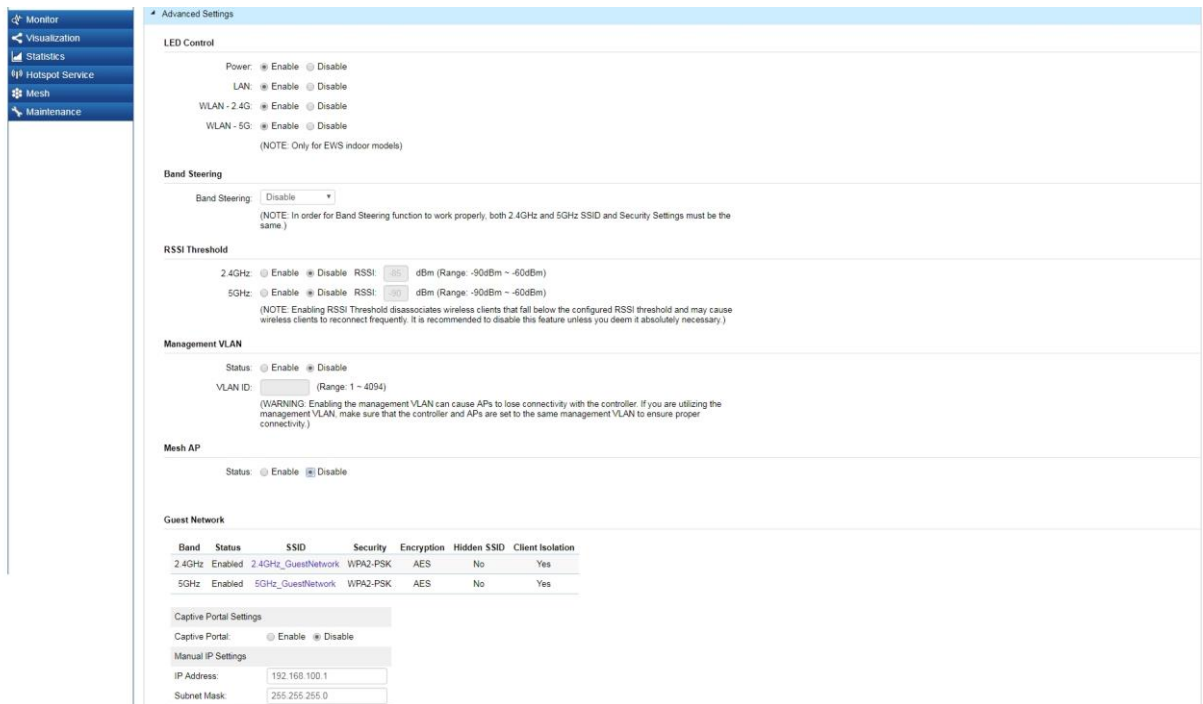
Group Key Update Interval: 3600 seconds (30-3600,0:disabled)

Save Cancel

In the **Advanced Settings** tab, additional settings are defined.

Among other things, you can

- Activate BandSteering,
- set an RSSI guide value,
- activate the mesh function
- and enable & configure the guest network:



The screenshot shows the 'Advanced Settings' page in the ALLNET web interface. The left sidebar contains navigation options: Monitor, Visualization, Statistics, Hotspot Service, Mesh, and Maintenance. The main content area is titled 'Advanced Settings' and includes several sections:

- LED Control:** Power, LAN, WLAN - 2.4G, and WLAN - 5G, each with 'Enable' and 'Disable' radio buttons. A note specifies '(NOTE: Only for EWS indoor models)'.
- Band Steering:** A dropdown menu is set to 'Disable'. A note states: '(NOTE: In order for Band Steering function to work properly, both 2.4GHz and 5GHz SSID and Security Settings must be the same.)'
- RSSI Threshold:** 2.4GHz and 5GHz sections, each with 'Enable' and 'Disable' radio buttons and an 'RSSI' input field. The 2.4GHz field is set to '85' dBm (Range: -90dBm ~ -60dBm) and the 5GHz field is set to '80' dBm (Range: -90dBm ~ -60dBm). A note explains: '(NOTE: Enabling RSSI Threshold disassociates wireless clients that fall below the configured RSSI threshold and may cause wireless clients to reconnect frequently. It is recommended to disable this feature unless you deem it absolutely necessary.)'
- Management VLAN:** Status is 'Enable'. 'VLAN ID' is set to '1' (Range: 1 - 4094). A warning note says: '(WARNING: Enabling the management VLAN can cause APs to lose connectivity with the controller. If you are utilizing the management VLAN, make sure that the controller and APs are set to the same management VLAN to ensure proper connectivity.)'
- Mesh AP:** Status is 'Disable'.
- Guest Network:** A table with columns: Band, Status, SSID, Security, Encryption, Hidden SSID, Client Isolation.

Band	Status	SSID	Security	Encryption	Hidden SSID	Client Isolation
2.4GHz	Enabled	2.4GHz_GuestNetwork	WPA2-PSK	AES	No	Yes
5GHz	Enabled	5GHz_GuestNetwork	WPA2-PSK	AES	No	Yes

Below the table are sections for 'Captive Portal Settings' (Captive Portal: Enable/Disable) and 'Manual IP Settings' (IP Address: 192.168.100.1, Subnet Mask: 255.255.255.0).

For more information and help, see the User Manual for ALL-WAPC0450C at <http://www.allnet.de/downloads.html> or the Service Portal at <http://service.allnet.de>

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