



Hilfestellung für WDS-Bridge-Konfiguration



ALL-WAP0305AC



ALL-WAP02860AC

Schritt 1:

Wählen Sie unter **NETWORK -> WIRELESS** den Operation Mode **WDS Bridge**

ALLNET
ALL-WAP02860AC Dual Radio AP , 3T3R , 450Mbps + 1300Mbps [Reset / Reboot] [Logout]

Overview
Device Status
Connections
Network
Basic
Wireless
WPS
Management
Advanced
Time Zone
WiFi Scheduler
Tools
System Manager
Account
Firmware
Log

Wireless Settings

Device Name: ALL-WAP02860AC
Country/Region: Germany
Band Steering: Enable Disable
NOTE: In order for Band Steering function to work properly, both 2.4GHz and 5GHz SSID and Security Settings must be the same.

	2.4GHz	5GHz
Operation Mode	Access Point <input checked="" type="checkbox"/> Green	WDS Bridge <input checked="" type="checkbox"/> Green
Wireless Mode	802.11 B/G/N	802.11 AC/N
Channel HT Mode	20/40MHz	80MHz(AC Only)
Extension Channel	Upper Channel	Upper Channel
Channel	Auto	Ch36-5.18GHz
Transmit Power	Auto	Auto
Data Rate	Auto	Auto
RTS / CTS Threshold (1 - 2346)	2346	2346
Client Limit	127 <input checked="" type="radio"/> Enable <input type="radio"/> Disable	127 <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Announcement	32 Frames	

Schritt 2:

Scrollen Sie nach unten zu den **WDS LINK SETTINGS**.

Wählen Sie AES als Verschlüsselungsstandard und vergeben ein WLAN-Passwort.

Ändern Sie die erste Zeile der MAC-Adressen-Tabelle auf **ENABLED**.

WDS Link Settings - 5GHz

Security: **AES**

WEP Key: [] 40/64-bit(10 hex digits)

AES Passphrase: **AESPASSWORD54321**
(8-63 ASCII characters or 64 hexadecimal digits)

CAUTION: NAWDS is enabled, please assign the Channel on both frequency bands manually for settings to take effect.

ID	MAC Address	Mode
1	[] : [] : [] : [] : [] : []	Enable
2	[] : [] : [] : [] : [] : []	Disable
3	[] : [] : [] : [] : [] : []	Disable
4	[] : [] : [] : [] : [] : []	Disable

Schritt 3:

Die MAC-Adresse finden Sie unter **DEVICE STATUS -> DEVICE INFORMATION**.

WICHTIG:
HIER MÜSSEN SIE DIE MAC-ADRESSE DER GEGENSEITE / DES ZWEITEN GERÄTES
EINTRAGEN!

Beachten Sie ebenfalls das zutreffende Modul (5GHz oder 2,4GHz) auszuwählen.

The screenshot shows the web interface for an ALLNET WAP02860AC. The top navigation bar includes 'Changes : 0', 'Reset / Reboot', and 'Logout'. The left sidebar has a menu with 'Overview' (containing 'Device Status' and 'Connections'), 'Network' (containing 'Basic', 'Wireless', and 'WPS'), 'Management' (containing 'Advanced', 'Time Zone', 'WiFi Scheduler', and 'Tools'), and 'System Manager' (containing 'Account', 'Firmware', and 'Log'). The main content area is titled 'Device Information' and contains the following data:

Device Information	
Device Name	ALL-WAP02860AC
MAC Address	
- LAN	88:DC:96:22:D8:E8
- Wireless LAN - 2.4GHz	88:DC:96:22:D8:E9
- Wireless LAN - 5GHz	88:DC:96:22:D8:EA
Country	Germany
Current Local Time	Tue Dec 9 23:56:29 STD 2014
Firmware Version	1.0.0
Management VLAN ID	Untagged

Below this, there is a section for 'LAN Information - IPv4':

IP Address	192.168.0.78
Subnet Mask	255.255.255.0
Gateway	
Primary DNS	0.0.0.0
Secondary DNS	0.0.0.0

Schritt 4:

Tragen Sie die MAC-Adresse der Gegenseite unter **WIRELESS -> WDS LINK SETTINGS** ein.
Achten Sie darauf dass der Modus auf **ENABLED** gesetzt ist.

The screenshot shows the 'WDS Link Settings - 5GHz' configuration page. The left sidebar has 'Wireless' selected under the 'Network' section. The main content area shows the following settings:

- Security: AES
- WEP Key: [empty field] (40/64-bit(10 hex digits))
- AES Passphrase: AESPASSWORD54321 (8-63 ASCII characters or 64 hexadecimal digits)

A red box highlights a caution message: "CAUTION: NAWDS is enabled, please assign the Channel on both frequency bands manually for settings to take effect."

Below the caution, there is a table for MAC Address settings:

ID	MAC Address	Mode
1	88 : dc : 96 : 22 : d8 : ea	Enable
2		Disable
3		Disable
4		Disable

Schritt 5:

Speichern Sie die Einstellungen unter APPLY ab.

The screenshot shows the ALLNET web interface for a Dual Radio AP. The left sidebar contains a navigation menu with categories: Overview, Network, Management, and System Manager. The main content area is titled 'Automatic DHCP Server Settings' and includes a table for IP ranges and a 'Fast Handover' section with radio buttons for 'Enable' and 'Disable', and an 'RSSI' field set to -70 dBm. Below this is the 'Management VLAN Settings' section with a 'Status' field set to 'Disable' and a value of 4096. A red box highlights the 'Apply' button at the bottom left of the settings area.

Automatic DHCP Server Settings	
- Starting IP Address	192.168.200.100
- Ending IP Address	192.168.200.200
- WINS Server IP	0.0.0.0

Fast Handover

Status: Enable Disable

RSSI: -70 dBm (Range: -60dBm ~ -90dBm)

Management VLAN Settings

Status: Enable Disable 4096

CAUTION: Please ensure the switch or DHCP supports VLAN function when encountering the disconnection under configuration.

Apply Save current setting(s)

Schritt 6:

Unter NETWORK -> BASIC können Sie die IP-Einstellungen an Ihr Netzwerk anpassen.

The screenshot shows the ALLNET web interface for a Dual Radio AP. The left sidebar is the same as in the previous screenshot, but the 'Basic' option under the 'Network' category is highlighted with a red box. The main content area is titled 'IPv4 Settings' and includes a table for network parameters. Below this is the 'IPv6 Settings' section with a checked 'Link-Local Address' option. The 'Spanning Tree Protocol (STP) Settings' section is partially visible at the bottom.

IPv4 Settings	
IP Network Setting	<input type="radio"/> DHCP <input checked="" type="radio"/> Static IP
IP Address	192.168.0.77
Subnet Mask	255.255.255.0
Gateway	192.168.0.254
Primary DNS	8.8.4.4
Secondary DNS	8.8.8.8

IPv6 Settings Link-Local Address

IP Address	
Subnet Prefix Length	
Gateway	
Primary DNS	
Secondary DNS	

Spanning Tree Protocol (STP) Settings

Schritt 7:

Wiederholen Sie die auf Gerät 1 konfigurierten Einstellungen auf dem zweiten Gerät.

Konfigurieren Sie:

- Den **Betriebsmodus WDS BRIDGE** auf demselben Modul (2,4GHz / 5GHz)
- Das gleiche **AES PASSWORT**
- Vergeben Sie eine andere **IP-Adresse** als beim ersten Gerät
- Tragen Sie die MAC-Adresse von Gerät 1 unter **WDS LINK LIST** ein

Anschließend verbinden sich die Geräte per WDS.

Im Menüpunkt **OVERVIEW – CONNECTIONS** können Sie den Link Status und die Verbindungsqualität beobachten.

The screenshot shows the router's web interface. On the left is a navigation menu with the following items: Overview, Device Status, Connections (highlighted in red), Network, Management, and System Manager. Under 'Network' are 'Basic', 'Wireless', and 'WPS'. Under 'Management' are 'Advanced', 'Time Zone', 'WiFi Scheduler', and 'Tools'. Under 'System Manager' are 'Account', 'Firmware', and 'Log'. The main content area displays two tables. The first table is titled 'WDS Link List - 5GHz' and has columns for 'WDS Link ID#', 'MAC Address', 'Link Status', and 'RSSI(dBm)'. It contains one entry with ID# '#1', MAC Address '88:dc:96:22:d8:ea', Link Status 'UP' (highlighted in red), and RSSI '-35' (highlighted in red). The second table is titled 'Connection List - 2.4GHz' and has columns for 'SSID', 'MAC Address', 'TX', 'RX', 'RSSI', and 'Block'. Below the tables is a blue 'Refresh' button.

Zeigt der Link Status „UP“ an, sind die Geräte per WLAN verbunden.

Schritt 8:

Deaktivieren Sie unter **NETWORK – WIRELESS** den **GREEN** Mode.

Testen Sie anschließend, mit welcher Sendestärke (**TransmitPower**) Sie den besten Übertragungswert erreichen können.

Als Startwert empfiehlt sich **20 dBm** zu verwenden.

The screenshot shows the '5GHz' wireless settings page. It includes several dropdown menus: 'WDS Bridge' (with a red box around the 'Green' checkbox), '802.11 AC/N', '80MHz(AC Only)', 'Upper Channel', 'Ch100-5.5GHz', and '20 dBm' (underlined in red).