



ALL-WAP0358N

Wireless N 300Mbit AP-IP55 802.11b/g/n



Kurzanleitung

IP Adresse Konfiguration

Die Standard IP Adresse des Gerätes ist **192.168.1.1**. Um sich in das Gerät einzuloggen, müssen Sie zunächst die TCP/IP-Einstellungen Ihres PC/Notebook konfigurieren.

1. In der Systemsteuerung, doppelklicken Sie auf Netzwerkverbindungen, und doppelklicken Sie dann auf die Verbindung der Netzwerk Karte (NIC).
2. Wählen Sie **Internet Protocol (TCP/IP)** aus und klicken dann auf **Eigenschaften**. Dies ermöglicht es Ihnen, die TCP / IP-Einstellungen Ihres PC / Notebook zu konfigurieren.
3. Wählen Sie **Folgende IP Adresse verwenden** Button aus und tippen Sie dann die IP Adresse (z.B. 192.168.1.21) und die Subnet Maske (255.255.255.0) ein. Stellen Sie sicher, dass die IP-Adresse und Subnet-Maske auf dem gleichen Subnet wie das Gerät sind.
4. Klicken Sie auf den **OK** button um das Fenster zu schließen, und nochmal um das LAN Eigenschaften Fenster zu schließen.

Anmelden am Access Point

1. Um das Gerät mit den Web browser zu konfigurieren geben Sie die IP Adresse des Gerätes (**standard: 192.168.1.1**) in die Adressleiste des Web Browsers ein und drücken Sie **Enter**.
2. Nach dem Verbinden mit der IP Adresse erscheint die Anmeldemaske. Geben Sie **admin** als **Standard-Benutzername** und **Kennwort** ein und klicken Sie dann auf **OK**, um sich anzumelden.



Administration

1. Klicken Sie auf den Link **Administration** unter dem Abschnitt **Management**. Mit dieser Option können Sie einen neuen Benutzernamen und Passwort für das Gerät erstellen. Aus Sicherheitsgründen ist es dringend empfohlen. Klicken Sie auf den **Administration** Link unter **Management**.
2. **Name**: Geben Sie einen Benutzernamen in das erste Feld.
3. **Password**: Geben Sie ein Passwort in dieses Feld ein und wiederholen Sie die Eingabe in das **Confirm Password** Feld. Dann klicken Sie auf **Apply**.
4. Klicken Sie auf **Apply** um die Änderungen zu speichern.

System Eigenschaften

1. Klicken Sie auf **System Eigenschaften** in der **System Sektion**. Diese Funktion erlaubt es Ihnen das Gerät als Access Point Client Bridge, Client Router oder WDS Unit zu konfigurieren.
2. **Device Name**: Geben Sie einen Namen für das Gerät ein – das ist nicht die SSID.
3. **Country/Region**: Wählen sie die Region aus der Drop-down Liste aus.
4. **Operation Mode**: Wählen Sie **Client Bridge**, **Access Point**, **Client Router** oder **WDS (WDS AP, WDS Bridge and WDS Station)** aus.
5. Klicken Sie auf **Apply** um die Änderungen zu speichern.

IP Einstellungen

1. Klicken Sie auf den **IP Settings** link in der **System Sektion**. Diese Funktion erlaubt Ihnen die Konfiguration der LAN Schnittstelle wenn Sie eine statische IP Adresse verwenden oder als DHCP Client eingestellt ist. Diese IP Adresse wird auch verwendet wenn Sie auf das Web-basierende Interface zugreifen.
2. **IP Network Setting**: Wählen Sie **Obtain an IP address automatically (DHCP)** aus, wenn der Access Point mit einem DHCP Server verbunden ist. Dies erlaubt dem Access Point die IP Adressen an die angeschlossenen Clients weiterzuleiten.
Sie können auch **Specify an IP Address** auswählen wenn Sie für das Gerät eine statische IP Adresse verwenden wollen. In diesem Fall werden Sie aufgefordert eine IP Adresse, subnet Maske und default gateway IP Adresse anzugeben.
3. **IP Address**: Geben Sie eine IP Adresse.
4. **IP Subnet Mask**: Geben Sie die Subnet Maske für die IP Adresse an.
5. **Default Gateway**: Geben Sie die IP Adresse vom Default Gateway an.
6. Klicken Sie auf **Apply** um die Änderungen zu speichern.

Hinweis: Wenn Sie die IP-Adresse hier ändern, müssen Sie Ihre PC-Netzwerk-Einstellungen anpassen, um erneut auf das Netzwerk zuzugreifen.

Warnung:

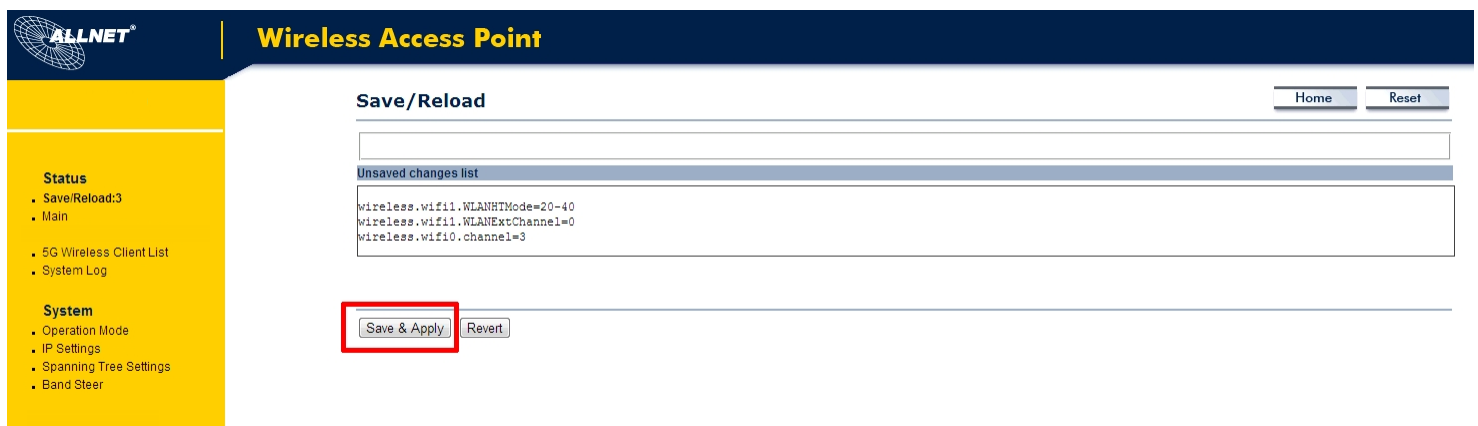
Wenn das Gerät keine gültige IP Adresse vom DHCP Server erhält, ist das Gerät nicht mehr erreichbar. Um wieder Zugriff auf das Gerät zu erlangen müssen Sie den Reset Knopf für 5 Sek. gedrückt halten um die IP Adresse wieder auf 192.168.1.1 zurückzusetzen.

Bitte beachten Sie dass lediglich die Auswahl des Operation Mode sofort übernommen wird.

Alle anderen Konfigurationen werden temporär unter SAVE/RELOAD abgelegt.

Diese werden erst endgültig übernommen wenn Sie unter SAVE/RELOAD die Taste **SAVE&APPLY betätigen.**

Ansonsten gehen alle Konfigurationen bei einem Neustart verloren!



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

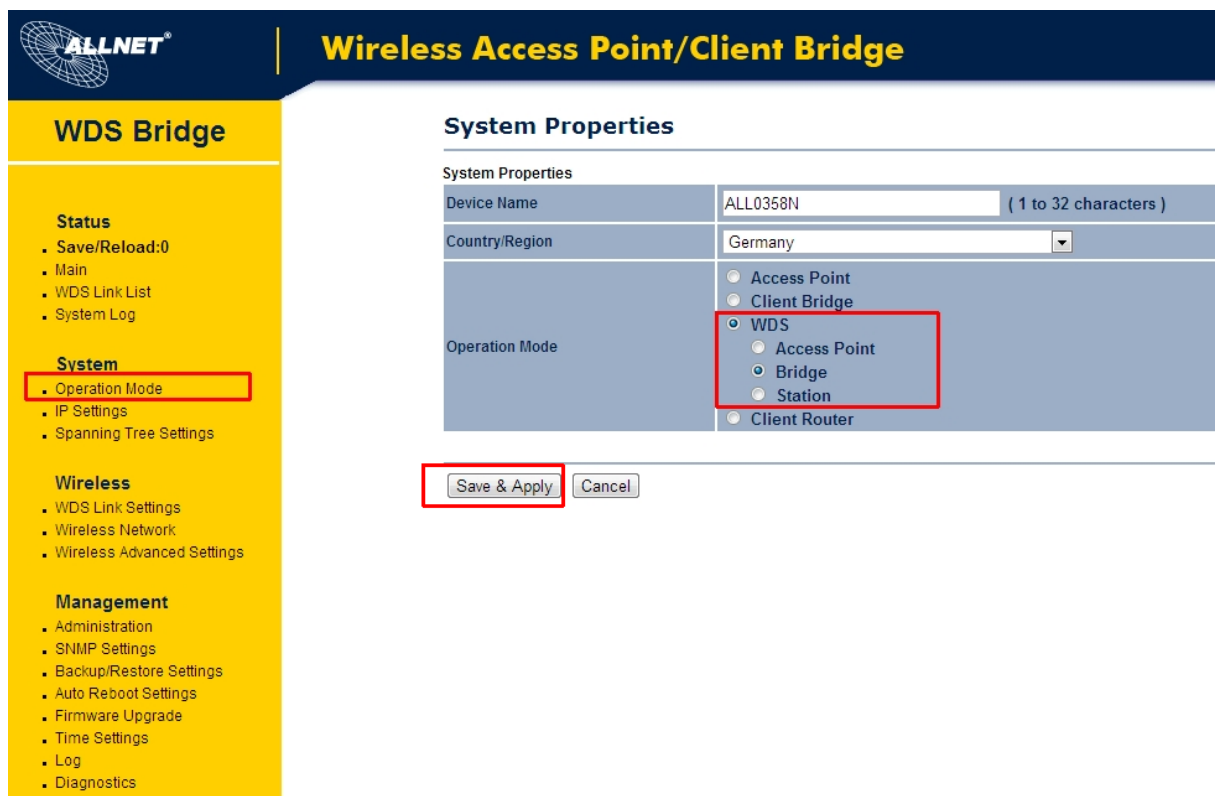
Bitte verwenden Sie nur das mitgelieferte Netzteil & PoE-Injektor um das Gerät mit Strom zu versorgen

Hilfestellung für WDS-Bridge-Konfiguration

Schritt 1:

Rufen Sie die Weboberfläche unter 192.168.1.1 mit den Zugangsdaten *admin/admin* auf.

Wählen Sie unter SYSTEM -> OPERATION MODE den Modus WDS -> BRIDGE aus und bestätigen Sie mit SAVE&APPLY



Wireless Access Point/Client Bridge

WDS Bridge

- Status
 - Save/Reload:0
 - Main
 - WDS Link List
 - System Log
- System**
 - Operation Mode**
 - IP Settings
 - Spanning Tree Settings
- Wireless
 - WDS Link Settings
 - Wireless Network
 - Wireless Advanced Settings
- Management
 - Administration
 - SNMP Settings
 - Backup/Restore Settings
 - Auto Reboot Settings
 - Firmware Upgrade
 - Time Settings
 - Log
 - Diagnostics

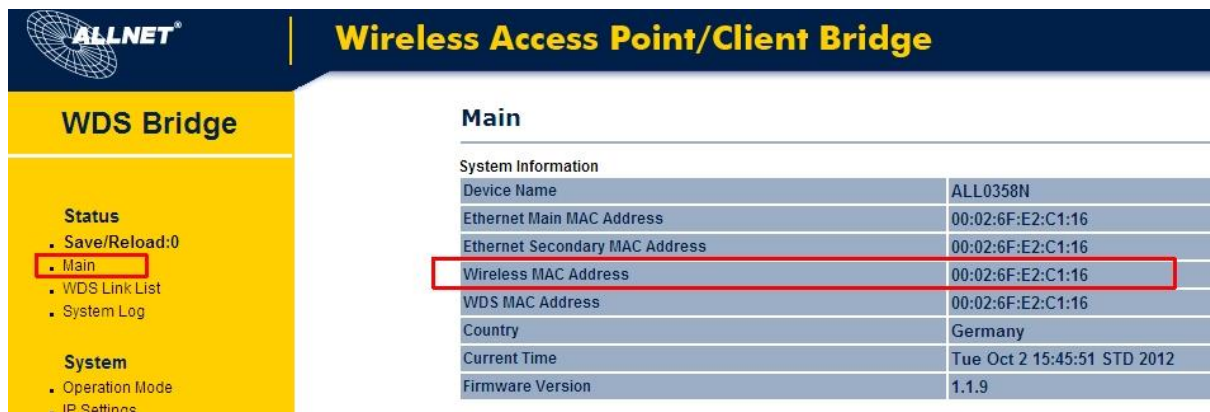
System Properties

System Properties	
Device Name	ALL0358N (1 to 32 characters)
Country/Region	Germany
Operation Mode	<ul style="list-style-type: none">Access PointClient BridgeWDS<ul style="list-style-type: none">Access PointBridgeStationClient Router

Save & Apply **Cancel**

Schritt 2:

Für eine WDS-Verbindung benötigen Sie die **MAC-Adresse der Gegenseite**. Die MAC-Adresse können Sie entweder auf der Rückseite des Gerätes ablesen oder unter STATUS- > MAIN abrufen.



WDS Bridge

- Status
 - Save/Reload:0
 - Main**
 - WDS Link List
 - System Log
- System
 - Operation Mode
 - IP Settings

Main

System Information	
Device Name	ALL0358N
Ethernet Main MAC Address	00:02:6F:E2:C1:16
Ethernet Secondary MAC Address	00:02:6F:E2:C1:16
Wireless MAC Address	00:02:6F:E2:C1:16
WDS MAC Address	00:02:6F:E2:C1:16
Country	Germany
Current Time	Tue Oct 2 15:45:51 STD 2012
Firmware Version	1.1.9

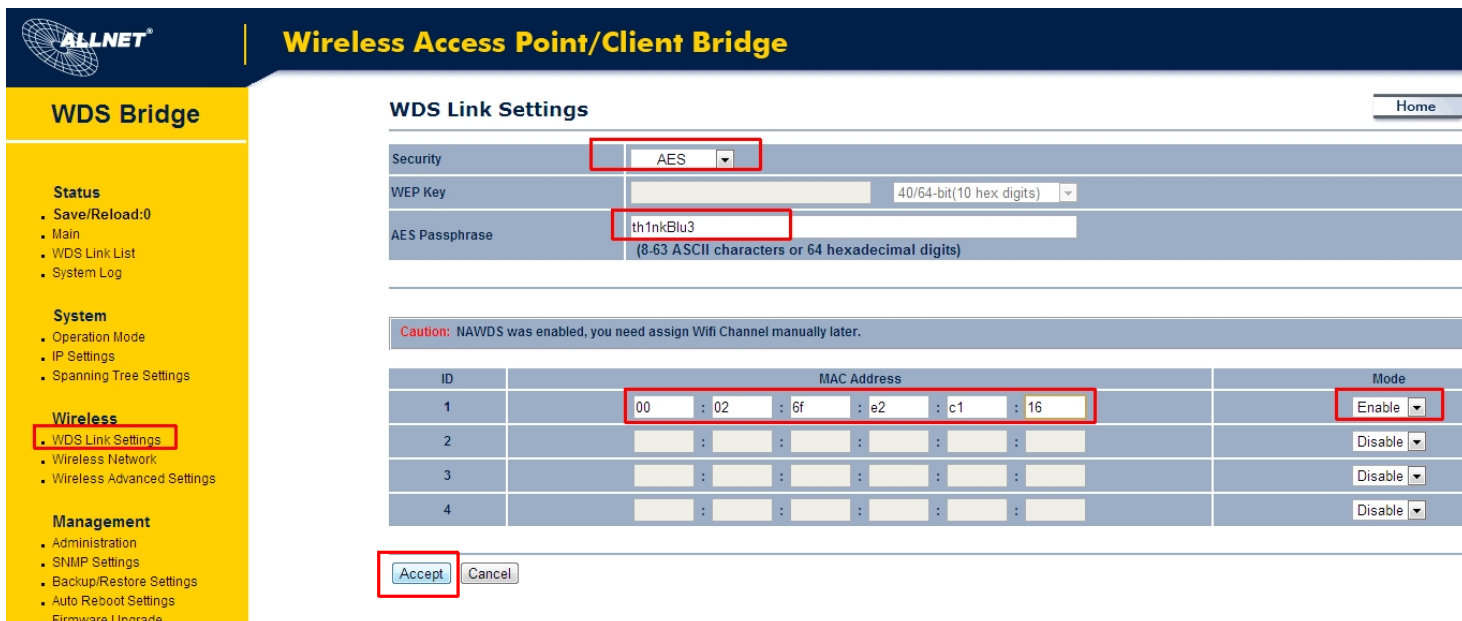
Schritt 3:

Tragen Sie nun die MAC-Adresse unter WIRELESS -> WDS LINK SETTINGS ein.

ACHTUNG: Hier muss die MAC-Adresse der Gegenseite eingetragen werden!

Tragen Sie zusätzlich die AES-Verschlüsselung ein.

Bestätigen Sie mit ACCEPT.



WDS Bridge

- Status
 - Save/Reload:0
 - Main
 - WDS Link List
 - System Log
- System
 - Operation Mode
 - IP Settings
 - Spanning Tree Settings
- Wireless**
 - WDS Link Settings**
 - Wireless Network
 - Wireless Advanced Settings
- Management
 - Administration
 - SNMP Settings
 - Backup/Restore Settings
 - Auto Reboot Settings
 - Firmware Upgrade

WDS Link Settings

Security: **AES**

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

AES Passphrase: **th1nkBlu3** (8-63 ASCII characters or 64 hexadecimal digits)

Caution: NAWDS was enabled, you need assign Wifi Channel manually later.

ID	MAC Address	Mode
1	00 : 02 : 6f : e2 : c1 : 16	Enable
2	<input type="text"/>	Disable
3	<input type="text"/>	Disable
4	<input type="text"/>	Disable

Accept **Cancel**

Schritt 4:

Unter SYSTEM -> IP SETTINGS können Sie die IP – Adresse entsprechend konfigurieren.

WDS Bridge

Status

- Save/Reload:4
- Main
- WDS Link List
- System Log

System

- Operation Mode
- IP Settings
- Spanning Tree Settings

Wireless

- WDS Link Settings
- Wireless Network**
- Wireless Advanced Settings

Wireless Network

Wireless Mode	802.11 B/G/N Mixed
Channel HT Mode	40MHz
Extension Channel	Lower Channel
Channel / Frequency	Ch10-2.457GHz

Accept
Cancel

- Ch5-2.432GHz
- Ch6-2.437GHz
- Ch7-2.442GHz
- Ch8-2.447GHz
- Ch9-2.452GHz
- Ch10-2.457GHz
- Ch11-2.462GHz
- Ch12-2.467GHz
- Ch13-2.472GHz

Schritt 5:

Zusätzlich sollten Sie unter WIRELESS -> NETWORK die Kanaleinstellung vornehmen.

Beide WDS-Bridges müssen auf den **gleichen** Kanal senden!

WDS Bridge

Status

- Save/Reload:4
- Main
- WDS Link List
- System Log

System

- Operation Mode
- IP Settings
- Spanning Tree Settings

Wireless

- WDS Link Settings
- Wireless Network**
- Wireless Advanced Settings

Wireless Network

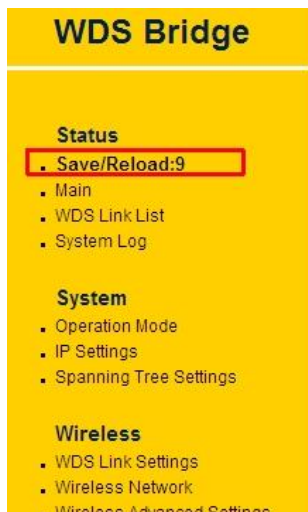
Wireless Mode	802.11 B/G/N Mixed
Channel HT Mode	40MHz
Extension Channel	Lower Channel
Channel / Frequency	Ch10-2.457GHz

Accept
Cancel

- Ch5-2.432GHz
- Ch6-2.437GHz
- Ch7-2.442GHz
- Ch8-2.447GHz
- Ch9-2.452GHz
- Ch10-2.457GHz
- Ch11-2.462GHz
- Ch12-2.467GHz
- Ch13-2.472GHz

Schritt 6:

Unter SAVE/RELOAD werden die Konfigurationen gesammelt.

**Save/Reload**

Unsaved changes list

```
network.lan.dns=192.168.1.1 8.8.4.4
wireless.cfg0b8091.WLANWDSPeer=00026FE2C116v
wireless.cfg0b8091.WLANWDSAESKey=thinkBlu3
-wireless.cfg0b8091.WLANWDSWEPKey
wireless.cfg0b8091.encryption=aes
wireless.wifi0.WLANHTMode=20-40
wireless.wifi0.WLANExtChannel=0
wireless.wifi0.hwmode=11n_pure
wireless.wifi0.channel=1
```

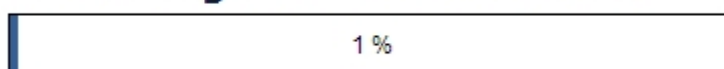
Save & Apply

Revert

Die Konfiguration muss nun auf das Gerät überspielt werden. Gehen dazu auf SAVE/RELOAD und bestätigen Sie mit SAVE&APPLY.

ACHTUNG: Wenn Sie das Gerät neustarten ohne SAVE/APPLY zu betätigen gehen alle Änderungen verloren!

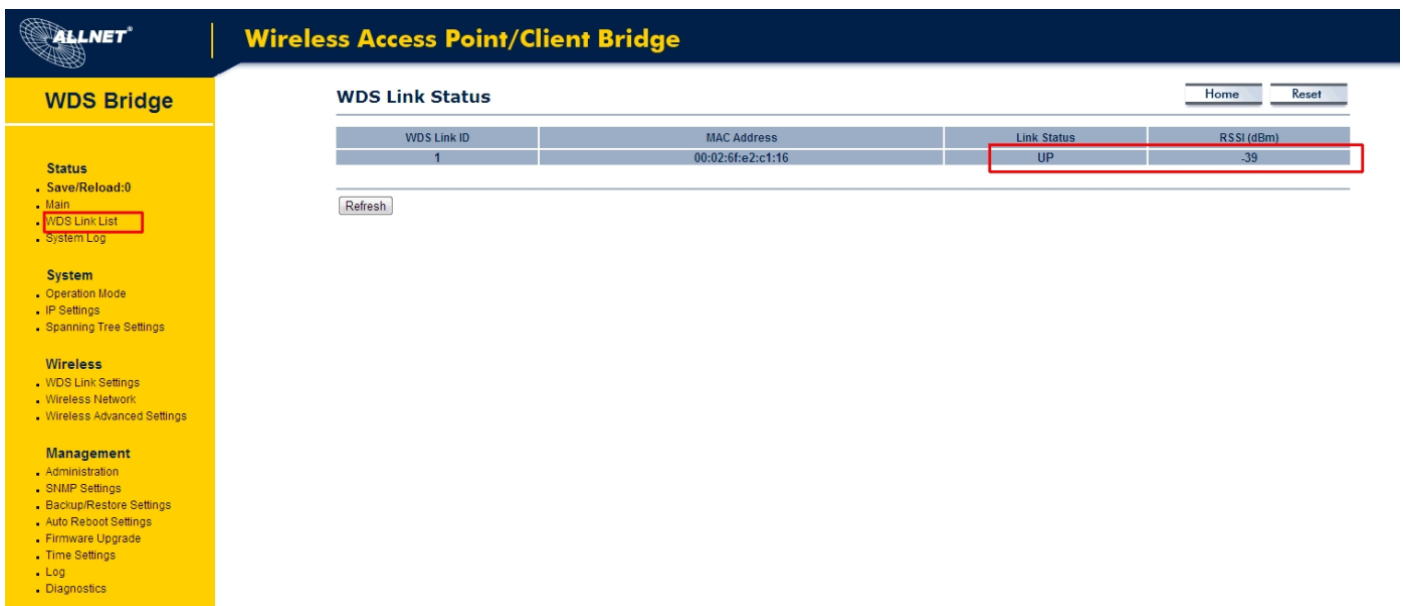
Anschließend erscheint ein Ladebalken:

Processing now! Please wait...

Schritt 7:

Konfigurieren Sie nun das zweite Gerät mit der gleichen Vorgangsweise.

Nachdem beide Geräte konfiguriert sind und die MAC-Adressen korrekt eingegeben wurden können Sie unter STATUS -> WDS LINK LIST kontrollieren ob Ihre Bridge-Verbindung aktiv ist.



The screenshot shows the web interface of an ALLNET Wireless Access Point/Client Bridge. The left sidebar contains a menu with categories: Status, System, Wireless, and Management. Under Status, 'WDS Link List' is highlighted. The main content area is titled 'WDS Link Status' and features a table with the following data:

WDS Link ID	MAC Address	Link Status	RSSI (dBm)
1	00:02:6f:e2:c1:16	UP	-39

Buttons for 'Home', 'Reset', and 'Refresh' are visible. The 'Link Status' cell in the table is highlighted with a red box.

Die Konfiguration ist damit abgeschlossen!

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