

Beispiel WDS Verbindung zwischen NWA1100 zu G-3000H

Einstellung bzgl. WDS (AP+Bridge) an einer G-3000H (Remote BridgeMAC):
Der PSK „123456789abcd“ bei Remote Bridge MAC Address (zur NWA1100) darf sich zur
Angabe im eigenen G-3000H - SSID-Profilen angegebene PSK unterscheiden.

The screenshot shows the ZyXEL WIRELESS LAN configuration interface. The 'Wireless' tab is selected, and the 'WDS' sub-tab is active. The configuration is set to 'AP+Bridge' mode. The channel is set to 2432 MHz. The SSID profile is 'G-3000H_kk'. A table lists five WDS entries, with the first one active and having a Remote Bridge MAC Address of 00:19:cb:c2:22:06 and a PSK of 123456789abcd. Below the table, several checkboxes are visible, including 'Enable Intra-BSS Traffic' and 'Enable Breathing LED'. The output power is set to 100% (Full Power). The status at the bottom is 'Ready'.

WIRELESS LAN

Wireless | SSID | Security | RADIUS | Layer-2 Isolation | MAC Filter | Roaming | Local User Database

Operating Mode: AP+Bridge
Choose Channel ID: Channel-06 2437MHz or Scan
RTS/CTS Threshold: 2432 (800 ~ 2432)
Fragmentation Threshold: 2432 (800 ~ 2432)
SSID Profile: G-3000H_kk

#	Active	Remote Bridge MAC Address	PSK
1	<input checked="" type="checkbox"/>	00:19:cb:c2:22:06	123456789abcd
2	<input type="checkbox"/>	00:00:00:00:00:00	
3	<input type="checkbox"/>	00:00:00:00:00:00	
4	<input type="checkbox"/>	00:00:00:00:00:00	
5	<input type="checkbox"/>	00:00:00:00:00:00	

Hide Name(SSID)
 Enable Intra-BSS Traffic
 Enable Breathing LED
 Enable Spanning Tree Protocol (STP)

Output Power: 100% (Full Power)
Preamble: Long
802.11 Mode: Mixed
Max. Frame Burst: 650 (0 ~ 1800)

Apply Reset

Status: Ready

Einstellung bzgl. WDS (AP+Bridge) an einer NWA1100 (Remote BridgeMAC):

The screenshot shows the ZyXEL NWA1100 configuration interface for wireless settings. The 'Wireless Settings' tab is active, and the 'WDS Settings' section is expanded. The 'Basic Settings' section shows 'Operation Mode' set to 'AP+Bridge', 'SSID' as 'NWA1100_kk', 'Channel' as '6', and 'Wireless Mode' as '802.11b+g'. The 'WDS Settings' section shows 'Local MAC Address' as '00:19:cb:c2:22:06' and 'Remote MAC Address' as '00:13:49:36:c5:2f'. The 'Advanced Settings' section includes 'Beacon Interval' (100), 'Intra-BSS Traffic' (Enable), 'DTIM Interval' (1), 'WMM' (Enable), 'Number of Wireless Stations Allowed to Associate' (32), 'Radio Enable' (Yes), 'Output Power Management' (Full), 'Preamble Type' (Dynamic), 'RTS/CTS Threshold' (2346), and 'Fragmentation' (2346). A 'Rates Configuration' table is also present, and 'Enable Antenna Diversity' and 'Enable Spanning Tree Protocol(STP)' are both disabled.

Wireless Settings Security MAC Filter

Basic Settings

Operation Mode: AP+Bridge
 SSID: NWA1100_kk (max. 32 printable characters) Hide SSID
 Channel: 6
 Wireless Mode: 802.11b+g

WDS Settings

Local MAC Address: 00 : 19 : cb : c2 : 22 : 06
 Remote MAC Address: 00 : 13 : 49 : 36 : c5 : 2f

Advanced Settings

Beacon Interval: 100 (25-1000)
 Intra-BSS Traffic: Enable Disable
 DTIM Interval: 1 (1-255)
 WMM: Enable Disable
 Number of Wireless Stations Allowed to Associate: 32 (1-32)
 Radio Enable: Yes No
 Output Power Management: Full
 Preamble Type: Dynamic
 RTS/CTS Threshold: 2346 (1-2346)
 Fragmentation: 2346 (256-2346)

Rate	Configuration	Rate	Configuration
1 Mbps	Basic	2 Mbps	Basic
5.5 Mbps	Basic	11 Mbps	Basic
6 Mbps	Optional	9 Mbps	Optional
12 Mbps	Optional	18 Mbps	Optional
24 Mbps	Optional	36 Mbps	Optional
48 Mbps	Optional	54 Mbps	Optional

Enable Antenna Diversity
 Enable Spanning Tree Protocol(STP)

Apply Reset

Status: Ready

Der unter Security angegebene Schlüssel muss identisch sein mit dem der G-3000H Bridge-PSK. Ein Wireless Client authentifiziert somit über denselben Schlüssel, dieser u.a. auch zur Bridge-Verbindung als Verschlüsselung dient.

The screenshot displays the ZyXEL web management interface. On the left is a vertical navigation menu with the following items: STATUS, SYSTEM, WIRELESS, IP, REMOTE MGNT, CERTIFICATES, LOGS, MAINTENANCE, and LOGOUT. The main content area is titled "Wireless" and contains three tabs: "Wireless Settings", "Security", and "MAC Filter". The "Security" tab is active, showing "Security Settings". Under "Security Mode", a dropdown menu is set to "TKIP". Below it, the "Pre-Shared Key" field contains the text "123456789abcd" and is followed by the text "(8-63 ASCII characters)". At the bottom of this section are "Apply" and "Reset" buttons. A status bar at the bottom left shows "Status Ready". The browser's taskbar at the very bottom shows "Fertig" on the left and "Lokales Intranet" with a 100% zoom level on the right.

Somit kann der Wireless Client zur G-3000H mit einer separaten PSK verschlüsselt arbeiten, wobei der Wireless Client über die NWA1100 verbunden den Selben PSK-Schlüssel verwenden muss, wie zur Bridge-PSK Verbindung.

ZyXEL HELP ?

WIZARD SETUP
ADVANCED SYSTEM
WIRELESS
IP
REMOTE MGMT
CERTIFICATES
LOGS
VLAN
MAINTENANCE
LOGOUT

WIRELESS

Status | Association List | Channel Usage | F/W Upload | Configuration | Restart

Stations					
#	MAC Address	Association Time	ESS	Signal Lv.	
001	00:13:02:dc:7a:45	17:00:20 2008/11/24	G-3000H_kk	76%	

WDS Link					
Link No	MAC Address	Link Time	Privacy	Signal Lv.	
1	00:19:cb:c2:22:06	16:54:36 2008/11/24	Yes	96%	

Status: Ready

Fertig Lokales Intranet 100%