

Q: How to connect N.Power and WN-220ARM using WDS Bridge

A: Please refer the followings to configure N.Power and WN-220ARM:

For N.Power settings:

1. Please set the channel that is less used and click “Apply change” to save the settings.
2. Please Click WDS Setting “Setup” to configure the WDS Settings.

Wireless Settings

Wireless Interface	Enable
Regulatory Domain	South America (14 channel)
Network Name(SSID)	ch14_test <input type="checkbox"/> Hide SSID
Multiple SSID	Setup
Frequency (Channel)	2412MHz (Channel 1)
Network Mode	11b/g/n
Wireless Security	Setup
Client Isolation	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Tx Output Power	About 27dBm(default)
Access Control	Setup
Bandwidth Control	Setup
Associated Clients	Setup
Advance Settings	Setup
WMM Settings	Setup
WDS Settings	Setup
WPS Settings	Setup

3. Please enable the WDS Repeater and set WEP Security Type and Encrypt key. In the blank “ AP1 MAC Address”, please input WN-220ARM MAC Address and apply change to save the settings. N.Power should be reboot to make it effective.

WDS Settings

Enable WDS Repeater

AP1 Encrypt Type	WEP	
Encryp Key	1234567890	
AP1 MAC Address	00-4f-67-ff-a0-10	Format: (XX-XX-XX-XX-XX-XX)

For WN-220ARM settings:

1. Please set the same channel, Security as N.Power and click “Apply change” to save the settings.
2. Click “WDS Settings”.

Wireless Setting [Help]	
Item	Setting
Wireless Module	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Network ID(SSID)	<input type="text" value="airlive"/>
SSID Broadcast	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Channel	<input type="text" value="1"/>
Wireless Mode	<input type="text" value="B/G/N mixed"/>
Authentication	<input type="text" value="Auto"/>
Encryption	<input type="text" value="WEP"/>
<input checked="" type="radio"/> WEP Key 1	<input type="text" value="HEX 1234567890"/>
<input type="radio"/> WEP Key 2	<input type="text" value="HEX 1234567890"/>
<input type="radio"/> WEP Key 3	<input type="text" value="HEX 1234567890"/>
<input type="radio"/> WEP Key 4	<input type="text" value="HEX 1234567890"/>
<input type="button" value="Save"/> <input type="button" value="Undo"/> <input type="button" value="WDS Setting..."/>	
<input type="button" value="WPS Setup..."/> <input type="button" value="Wireless Client List..."/>	

3. Configure Wireless Bridging as “Enable” and enter the Air3G wireless MAC in the field “Remote AP MAC 1”. Click Save and Reboot to make it effective.

WDS Setting [Help]	
Item	Setting
Wireless Bridging	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Remote AP MAC 1	<input type="text" value="00:4F:81:00:5C:9C"/>
Remote AP MAC 2	<input type="text"/>
Remote AP MAC 3	<input type="text"/>
Remote AP MAC 4	<input type="text"/>
<input type="button" value="Save"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>	

For WN-220ARM Wireless MAC address:

Type the URL "http://192.168.1.254/sysinfo.htm" and you can see the WLAN MAC.

System Information

ITEM	INFO
Model#	WiFi Combo Broadband Gateway
Version	@R1.00e01 (RT305XL, R0.01, root.2539:2583?@zeRo4, A=root@zeRo4, B=483, D=2698M/799, sections=)
U-Time	08:10:20 up 10 min, load average: 0.10, 0.07, 0.03 (200904010001)
R-Data	WLAN MAC=00-4F-67-FF-A0-10/OVS6E3401002 LAN MAC=00-4F-67-FF-A0-0F WAN MAC=00-4F-67-FF-A0-0E PV=1 F/W version= F/W Checksum=
Country Region	Europe (1-13) AP PIN:67526567

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For Air3G Wireless MAC address:

Please click "Status" >> "Device information" >> "Wireless"

Local Network	
Local IP Address	192.168.1.253
Local Netmask	255.255.255.0
MAC Address	00-4F-81-00-5C-9E
DHCP Type	DHCP Server OFF
Wireless	
MAC Address	00-4F-81-00-5C-9C
SSID	airlive