

# **ZyXEL ZyAIR G-120 Multilingual Version**

## **Release 1.1.0(AA)**

### **Release Note**

**Date:** November. 3, 2006

#### **Supported Platforms:**

Windows 2000, Windows XP, Windows XP 64-bit

#### **Driver version:**

7/20/2006 1.5.4.6

#### **Known issue:**

1. Interoperability issue: AP (ZyAIR G-3000H v3.50 [AAC.1] C0) is WPA-MIX mode, two G-120 clients (WPA-PEAP) can't access each other, they only can access Ethernet station. If G-3000H is WPA2-PSK-MIX mode, wireless STA sometimes can't access each other.
2. Interoperability issue: AP is WPA2-mixed (or WPA2-PSK-Mixed mode) mode, DUT can't associate to AP on WPA (or WPA-PSK) with Funk Odyssey client v4.5 (DUT utility and Windows Zero Configuration don't cause this issue.)
3. In Win2K/XP/XP64, Wireless client didn't install the root CA. User used "Validate Server Certificate" mode to authenticate; it passed the authentication.
4. DUT set in long preamble, but DUT send out the packet with short preamble.
5. In all OS, DUT associate to AP or try to associate to AP repeatedly, DUT utility would hang sometimes.
6. After uninstalling driver and utility, \*.inf files can't be removed.
7. Manual Start OTIST, DUT still could connect AP without OTIST start. DUT should disconnect to AP.
8. DUT works on Ad-Hoc mode, the throughput is lower than criterion.

#### **Notes:**

1. No Refresh icon in Site Survey and Profile page.
2. It does not support when security is 802.1x and dynamic WEP key is disabled.
3. If SSID's length is more than 23, OTIST can't work.
4. It must select the check box of "Mark this key as exportable. This will allow you to back up or transport your keys as a later time" when users import the certificate. If users don't select it, the EAP-TLS/WPA-TLS/WPA2-TLS mode can't associate to AP.
5. Remove the bridge option in Software AP because ZyDAS's bridge is not stable.
6. In Software AP, it can't clear all MAC in Association List of Link Info. That's ZyDAS driver issue.
7. When running on the Ad-Hoc mode, DUT runs on 802.11b frequency. User can change this default value from advance tab of ZyXEL wireless PCI Adapter. Change IBSS\_Wireless\_Mode's value to IBSS\_G\_Mode.

#### **Features:**

**Modification in 1.1.0(AA) | 11/3/2006**

##### **1. Driver Changed.**

- 1.1 Pass WHQL certification.

## **2. Utility Changed.**

- 2.1 Convert version string from “1.1.0(AA)b1” to “1.1.0(AA)”
- 2.2 Add Help

## **Modification in 1.1.0(AA)b1 | 09/26/2006**

### **1. Driver Changed.**

- 1.1 Driver version: 7/20/2006 , 1.5.4.6

### **2. Utility Changed.**

- 2.1 This version's(1.1.0(AA)b1) source code is based on G-320H 1.0.0b2's source code.
- 2.2 Support Software AP.
- 2.3 Support WMMQoS Mode
- 2.4 Change support platform. Win98/ME won't be supported. When installing utility on Win98/ME, it will pop up error message.
- 2.5 SPRID: **060817076**  
The checkbox option of OTIST is disabled by default
- 2.6 [Bug fixed] SPRID: **060601031**  
OTIST auto-start function doesn't work.
- 2.7 [Bug fixed] SPRID: **060712643**  
In all OS, DUT had disconnected from AP, but the Utility -> Link Info page kept old information.
- 2.8 [Bug fixed] SPRID: **060713728**  
In all OS, user set Profile Name as 32 characters (Ex. WWWWW.....) and connects to AP; Utility -> Link Info menu became disorderly.
- 2.9 [Bug fixed] SPRID: **060801088**  
Users create one security profile and connect to AP, disable the utility, then enable it again; the utility profile name is blank, it doesn't keep the previous profile name.
- 2.10 [Bug fixed] SPRID: **060710431**  
DUT can't associate to AP normally after user change the profile frequently.
- 2.11 [Bug fixed] SPRID: **060712636**  
In all OS, DUT works on AP mode or Station mode, user set security setting as sPassphrase mode (any string) and save it, then change it to 64bit WEP Key-1 (0x1111111111) and save it, user switch to other Utility page (ex: Link Info), back to Configuration page, the security setting is WEP PassPhrase mode.
- 2.12 [Bug fixed] SPRID: **060523358**  
In Win98/ME/2K/XP/XP64, install G-120 driver/utility, then install AG-120 driver/utility and reboot the OS, after login the OS, it will pop up two utility at the same time, both G-120 and AG-120 utilities can access AG-120 card.
- 2.13 [Bug fixed] SPRID: **060523360**  
In Win98/ME/2K/XP/XP64, let DUT associate to AP(channel 1) with no WEP encryption, change AP working channel to channel 2, observe DUT behavior, sometimes it can't associate to AP automatically or Utility shows wrong channel value.
- 2.14 [Bug fixed] SPRID: **060523445**  
In Win98/ME/2K/XP/XP64, “Utility->Link Info-> Transmit/Receive Rate” are not accurate; they usually show as 0 kbps. (Both of 802.11a/g).
- 2.15 [Bug fixed] SPRID: **060808563**  
In Site Survey and Profiles page, the sort result is confused. (EX: channel list 、 signal 、 index)
- 2.16 [Bug fixed] SPRID: **060817075**  
In about page. The product name showed “G120”. It should showed “G-120”

2.17 [Bug fixed] SPRID: **060818149**

After uninstalled the utility and driver. DUT didn't remove clear.

2.18 SPRID: **060515823**

In win2K/XP/XP64, user create new profile first, edit this profile name to another name, utility used to possess two profiles. The created profile name can't be edited now.

2.19 When user edit an existed profile, utility will show "Edit Profile" instead of "New Profile".

2.20 On Site Survey page. If user wants to connect with AP which has hidden SSID. Utility will pop up error message and not connect with it.

2.21 When user switch to Site Survey Page or Add/Edit Profile Page, utility starts to survey APs and clean up site survey list. When surveying, utility shows searching message.

2.22 SPRID: **060801012**

DUT start OTIST function automatically, it will stop OTIST detecting after 60 seconds if STA didn't connect to any OTIST AP.

2.23 Manual start the OTIST and cancel. DUT pop up the "Please make sure you have a ZyXEL wireless AP or router with OTIST."

2.24 SPRID: **060220750**

The file ZD1212BP.sys had been renamed to G120.sys. After uninstalling the driver, G120.sys will be removed.

2.25 SPRID: **060529797**

In utility(survey page and profile page), user can use keyboard to call out the data.

2.26 SPRID: **060529760**

When wireless STA tries to associate with AP or disconnected to AP, the utility icon color will change to red.

2.27 SPRID: **060529786**

Unify security mode description: WEP、802.1x、WPA、WPA-PSK、WPA2、WPA2-PSK、Disabled.

## **Modification in 1.0.1 | 06/23/2006**

### **1. Driver Changed.**

N/A

### **2. Utility Changed.**

2.1 Convert version string from "1.0.1b6" to "1.0.1".

## **Modification in 1.0.1b6 | 06/23/2006**

### **1. Driver Changed.**

1.1 WHQL passed.

### **2. Utility Changed.**

2.1 [Bug fixed] SPRID: **060530875**

In G-120 Help file, the index item shows "about your ZyXEL G-220 v2".

2.2 [Bug fixed] SPRID: **060425030**

In Win98/2K/XP, the xxx.sys located in C:\program file\ZyXEL communication\ZyXEL G-120 Utility\InsDrv-Temp folder, but in WinME only, default folder located in C:\windows\system\, Because users don't know the default folder, they can't finish the driver installation.

## **Modification in 1.0.1b5 | 05/26/2006**

### **1. Driver Changed.**

N/A

## **2. Utility Changed.**

2.1 Support multilingual help

2.2 Modify Russian strings.

2.3 [Bug fixed] SPRID: **060515826**

In Win98/ME/2K/XP, user can type some value in all “Combo box”.

2.4 [Bug fixed] SPRID: **060516917**

In Win98/ME/2K/XP, user create the WPA/WPA2 profile with AES encryption and activate later, edit the profile again, the encryption mode is still “TKIP” sometimes, and vice versa.

## **Modification in 1.0.1b4 | 05/25/2006**

### **1. Driver Changed.**

N/A

## **2. Utility Changed.**

2.1 [Bug fixed] SPRID: **060425032**

In Win98/ME/2K/XP, set SSID as 32 characters and connect to AP, Link Info menu became disorderly.

2.2 [Bug fixed] SPRID: **060515826**

In Win98/ME/2K/XP, user can type some value in all “Combo box”.

2.3 [Bug fixed] SPRID: **060516917**

In Win98/ME/2K/XP, user create the WPA/WPA2 profile with AES encryption and activate later, edit the profile again, the encryption mode is still “TKIP” sometimes, and vice versa.

2.4 [Bug fixed] SPRID: **060516929**

In Win98/ME/2K/XP, utility encryption method “RADIUS” can’t work normally.(In 1.0.1 b2, it can work)

2.5 It must have certificate when users use EAP-TLS/WPA-TLS/WPA2-TLS mode.

2.6 Support Multi-Language (English, German, French, Spanish, Italian, Traditional Chinese and Russian)

## **Modification in 1.0.1b3 | 05/11/2006**

### **1. Driver Changed.**

N/A

## **2. Utility Changed.**

2.1 [Bug fixed] SPRID: **060425020**

In Win98/ME/2K/XP, User create some security mode profile first, then connect one of them to AP, DUT can’t connect to AP. (only no-security mode profile can connect to AP normally)

2.2 [Bug fixed] SPRID: **060425027**

In Win98/ME, after user create 5 different profiles, but DUT only recorded last one.

2.3 [Bug fixed] SPRID: **060425028**

In Win98/ME/2K/XP, set SSID, profile or pass phrase as long character(more than 100) and save it, error message occur.

2.4 [Bug fixed] SPRID: **060425029**

In Win98 and Win2000, if DUT connect to AP successfully, the utility icon(system list) show wrong color.

2.5 [Bug fixed] SPRID: **060425031**

In Win98/ME/2K/XP, when user prepare to install DUT, OS pop up “please insert ZD1212B IEEE 802.11a+b+g wireless PCI card driver CD”, Please change it to correct description.(IEEE 802.11g wireless cardbus adapter).

2.6 [Bug fixed] SPRID: **060425032**

In Win98/ME/2K/XP, set SSID as 32 characters and connect to AP, Link Info menu became disorderly.

**2.7 [Bug fixed] SPRID: 060426106**

In Win98/ME, DUT with RADIUS/WPA-RADIUS/WPA2-RADIUS mode associate to AP, error message occur.

**2.8 [Bug fixed] SPRID: 060427202**

In Win98/ME/2K/XP, login GUI, OTIST key phrase can be set more than 9 characters. (It should be limited between 0~8 characters).

**2.9 [Bug fixed] SPRID: 060427234**

In Win98/ME/2K/XP, Let DUT associate to AP with OTIST mode, after 180 seconds (negotiation time), DUT try to associate to AP, it look like success, but AP doesn't forward DUT packet sometimes.

**2.10 [Bug fixed] SPRID: 060428271**

In GUI, Ad-Hoc mode channel 10~13 can't be saved, if user set channel 12, DUT will change it to channel 1 automatically.

**2.10 Support WPA2-PSK for OTIST**

**2.11 Support Windows XP 64-bit**

**2.12 Change wording in OTIST page**

from "Auto Security..." to "OTIST..."

from "Auto WLAN Security in progress." to "OTIST in progress."

from "Don't show me this window again.ion?" to "Don't show me this window again."

**Modification in 1.0.1b2 | 04/25/2006**

**1. Driver Changed.**

N/A

**2. Utility Changed.**

**2.1 [Bug fixed]**

In English OS, user can't configure DUT with utility.

**Modification in 1.0.1b1 | 04/19/2006**

**1. Driver Changed.**

1.1 Driver version: 3/17/2006 1.4.0.0

**2. Utility Changed.**

2.1 Utility version: 4/19/2006 1.0.1b1

2.2 Change skin.

2.3 Only support Station mode.