

# **ZyXEL AG-320 Multilingual Version**

## **Release 2.0.0(AD)**

### **Release Note**

**Date: October. 30, 2007**

#### **Supported Platforms:**

Driver: Windows 2000, Windows XP, Windows XP 64-bit, Windows Vista, Windows Vista 64-bit  
Utility: Windows 2000, Windows XP, Windows XP 64-bit, Windows Vista, Windows Vista 64-bit

#### **Driver version:**

7/20/2006 1.5.4.6

#### **Known issue:**

1. 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.)
2. In Win2K/XP/XP64, Wireless client didn't install the root CA. User used "Validate Server Certificate" mode to authenticate; it passed the authentication.
3. DUT set in long preamble, but DUT send out the packet with short preamble.
4. In all OS, DUT associate to AP or try to associate to AP repeatedly, DUT utility would hang sometimes.
5. Interoperability issue: AP (ZyAIR G-3000H v3.50 [AAC.1] C0) is WPA-MIX mode, two DUT (WPA-PEAP) can't access each other, they only can access Ethernet station. If G-3000H is WPA2-PSK-MIX mode, two DUT sometimes can't access each other.
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 connect to AP with profile successfully. Then DUT disconnected and start OTIST function. DUT couldn't connect to AP which is running OTIST function and show wrong setup key error message.
9. IOP: P-2602HWL-D1A wireless QoS function(by application port) isn't noticeable sometimes if wireless clients are ZyXEL G-120/AG-120/G-320H/AG-320 (chipset: ZD1212B, driver: 1.5.4.6). (If clients are Intel 2200 or 2915 chipset, driver: 9.0.4.17, the QoS function works normally.)
10. In all OS, sometimes GUI-> Survey function works failure, survey list becomes empty. (If the neighbor AP's SSID numbers are more than 50, this issue usually happened.)
11. In PQA\_SW1 tester office (Neighbor AP more than 50), the ZyDAS ZD1212b chipset DUT (G-120/G-320H/AG-120/AG-320 driver: v1.5.4.6) connected ability is weak, many features sometimes can't work normally. (Ex: Site survey 、OTIST 、WPA 、WPA2.....)
12. In Vista/Vista64, utility initial time takes approximately 1.5 to 2 minute.
13. If ZyXEL P-335U works on WPA/WPA2 mode, the re-authentication timer is "600" seconds. It's more than 3 minutes that DUT couldn't associate to AP automatically after "re-authentication". This issue occurs on all OS.

#### **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. In Software AP, it can't clear all MAC in Association List of Link Info. That's ZyDAS driver issue.
6. When running on the Ad-Hoc mode with 802.11b+g, 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.
7. [In Vista/Vista64, user's PC should use 1GB RAM or higher.](#)

## Features:

### Modification in 2.0.0(AD) | 10/30/2007

#### 1. Driver Changed.

1.1 N/A

#### 2. Utility Changed.

2.1 [Convert version string from "2.0.0\(AD\) b1" to "2.0.0\(AD\)".](#)

### Modification in 2.0.0(AD) b1| 09/28/2007

#### 1. Driver Changed.

1.1 Remove Ndis6 driver.

#### 2. Utility Changed.

2.1 Convert version string from 1.0.0 to 2.0.0(AD) b1.

2.2 On Vista and Vista64, utility won't be launched after user install utility and driver.

2.3 If the neighbor AP's SSID numbers are more than 50, GUI-> Survey function sometimes works failure. GUI will show error message and turn pointer status from busy to normal select.

2.4 Utility could connect to AP before user logs on.

2.5 [Bug fixed] SPRID: **060828531**

Add new profile with the same profile name. It shouldn't overwrite the old profile. It should pop up the "duplicate profile name" error message.

2.6 [Bug fixed] SPRID: **060901002**

User install the utility and driver with administrator account. Restart the PC and login with normal user account. Normal user account couldn't use the utility.

2.7 [Bug fixed] SPRID: **060825490**

When enabled the WMM in utility. The WMM could work normally. But, The WMMQoSsupport showed "Disable" in DUT--> Configure--> Advanced

2.8 [Bug fixed] SPRID: **060825473**

When installed the AG-120 utility. The DUT--> Configure--> Advanced--> WMMQoSsupport didn't work. Because the WMM function had controlled from utility.

2.9 [Bug fixed] SPRID: **060830626**

When add a Profile. The Scan Info didn't scan automatically right now. It showed old informations.

2.10 [Bug fixed] SPRID: **060830628**

Site survey sometimes couldn't refresh successfully. It sometimes didn't seem refresh action

2.11 [Bug fixed] SPRID: **060804340**

Users configure DUT as Ad-Hoc mode, set frequency="Auto" and channel="1", DUT associate to 802.11g AP, its utility Link info show the transmission rate as 54Mbps, but the network mode is "802.11b".

#### **Modification in 1.0.0-D1.5.4.6-Vista b1| 03/09/2007**

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

1.1 Add Vista and Vista64 driver

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

2.1 N/A

#### **Modification in 1.0.0 | 09/01/2006**

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

1.1 Pass WHQL certification.

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

2.1 Convert version string from "1.0.0b5" to "1.0.0"

2.2 Add Help

#### **Modification in 1.0.0b5 | 08/28/2006**

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

N/A

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

2.1 [Bug Fixed]

Apply the profile. The OTIST was disabled automatically.

2.2 [Bug Fixed]

OTIST auto-start function doesn't work. When DUT disconnected to AP and saved the DUT's OTIST. After 10 seconds, the DUT's OTIST auto starts.

2.3 Add warning message when users install the Utility on Win98 or WinME.

#### **Modification in 1.0.0b4 | 08/23/2006**

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

N/A

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

2.1 Modify OTIST function behavior. On Manual Start Mode, utility won't show error message until user cancel the function. On Auto Start Mode, utility will show error message and stop OTIST detection after 60 seconds.

#### **Modification in 1.0.0b3 | 08/21/2006**

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

N/A

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

- 2.1 [Bug Fixed] In all OS, DUT utility and driver can't be removed by start menu group.
- 2.2 [Bug Fixed] In all OS, In AP mode. The utility didn't work normally with 11a channel. Especially was channel 52, 60, 116, 124, 132, or 140
- 2.3 [Bug Fixed] Manual start the OTIST and cancel. DUT didn't pop up the "Please make sure if you have a ZyXEL G+(or Wireless Routers) and OTIST function is enabled" error message
- 2.4 [Bug Fixed] OTIST function disable after DUT run with Ad Hoc mode
- 2.5 [Bug Fixed] Channel list doesn't match between SoftAP and Ad Hoc mode with 11a
- 2.6 [Bug Fixed] OTIST auto-start function doesn't work.
- 2.7 [Bug Fixed] Enable Power Saving Mode and apply other profile. Power Saving Mode don't work.
- 2.8 [Bug Fixed] The OTIST in Progress" words didn't put the middle of OTIST page
- 2.9 [Bug Fixed] In Site Survey and Profiles page, the sort result is confused.
- 2.10 [Bug Fixed] 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.
- 2.11 [Bug Fixed] In Win2K, DUT works on AP mode, the utility icon color is wrong.
- 2.12 [Bug Fixed] DUT could key in any characters in WEP key without limit
- 2.13 [Bug Fixed] OS can't finish the DUT driver/utility installing process after rebooting.
- 2.14 DUT start OTIST function automatically, it will stop OTIST detecting after 60 seconds if STA didn't connect to any OTIST AP.
- 2.15 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.

## **Modification in 1.0.0b2 | 07/28/2006**

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

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

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

- 2.1 This version's(1.0.0b2) source code is based on AG-120 1.0.0b5's source code
- 2.2 Support Software AP
- 2.3 Support WMMQoS Mode
- 2.4 The checkbox option of OTIST is disabled by default

## **Modification in 1.0.0b1 | 06/26/2006**

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

- 1.1 Driver version: 06/09/2006 , 1.5.2.6

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

- 2.1 Utility version: 06/27/2006 1.0.0b1