



Firmware Release Note

ZyXEL G-570S

Release V1.00(ZJ.4) C0/2007/03/12

Date: Mar 13, 2007

ZyXEL G-570S Standard Version release V1.00(ZJ.4)C0|2007/03/13 Release Note

File Name:

ZyxeI_G-570S_V1.00 (ZJ.4) C0_20070313.rmt (used by F/W upgrade)

Supported Platforms:

ZyXEL G-570S (HW0.5/0.2/HW0.1/HW1.0)

Software Base Versions:

Notes:

Known Issues:

- 1) It will take Wireless Client about 30 seconds to roam
- 2) The GUI can configure with more user at the same time
- 3) If AP with SSID(24-32 characters). OTIST will fail because of 32 length limitation of SSID
- 4) Sometimes DUT(STA mode) with SuperG enabled can not communicate with DUT(AP mode) with TurboG enabled after turbo switch some times because of fail to synchronize wireless mode

CI Command List:

Main Features:

Release History:

V1.00(ZJ.4) C0|2007/03/13:

Formal release based on ZJ4B1

V1.00(ZJ.4)B1|2007/02/07:

1. [Bug Fixed]
 - i. At ap mode, when use WPA2-PSK the STA(use intel wireless card) can not connect the AP.

V1.00(ZJ.3) C0|2006/12/05:

Formal release based on ZJ3B2

V1.00(ZJ.3)B2|2006/11/14:

- 1.[function enhance]

Add reboot function after kernel panic
- 2.[Bug Fixed]
 - ii. DUT couldn't support the Super G and Thurbo G mode in Bridge and AP+Reapter mode. SPRID 061024845
 - iii. In Wireless Client Mode and Enable the Thurbo G. DUT couldn't transmit data to FTP server. SPRID 061024849

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- iv. In Wireless Client Mode and Enable the Super G. After FTP test for a long time. DUT's wireless was down and couldn't open the WEB UI. SPRID 061025864
- v. DUT use encryption different from that seen in UI after changing operation mode from AP or STA with WPA-PSK on to WDS mode

V1.00(ZJ.3)B1|2006/09/28:

- 1. [Bug Fixed]
Add WPA2-PSK function in WDS mode
- 2. [Bug Fixed]
 - i. Fixed Enable Macclone and fill DUT's MAC. The text control of Macclone display nothing in WEB

V1.00(ZJ.2)C0|2006/07/18:

- ii. Make official release from V1.00(ZJ.2) B4

V1.00(ZJ.2)B4|2006/07/10:

- 1. [Bug Fixed]
 - iii. Improve OTIST client stability.
 - iv. Fixed AP+Repeater mode mal function when WMM is enabled. SPRID 060428838
 - v. Fixed turbo G mode throughput problem. SPRID 051202271

V1.00(ZJ.2)B3|2006/05/16:

- 1. Firmware discarded.

V1.00(ZJ.2)B2|2006/04/19:

- 1. WDS throughput improvement, also support superG, turbo G right now.
- 2. Add OTIST support in wireless client mode
- 3. Manual MAC spoofing
- 4. Display link status in client mode on status
- 5. Telnet five minutes timeout
- 6. Client mode support Super G, Turbo G
- 7. Support WMM function.
- 8. [Bug fixed]
 - i. OTIST can use empty key
 - ii. WPA/WPA-PSK in client mode problem is fixed.
 - iii. Fixed the problem of when Radio is disabled, WPA-PSK can not be changed.
 - iv. Single log-in of telnet and web. Telnet has higher priority than web.
 - v. OTIST can use empty key
 - vi. OTIST inconsistent in web configuration and hardware button. The behavior right now is OTIST is disabled when using WEP152.

V1.00(ZJ.1)C0|2006/01/16:

Formal release based on ZJ1B1

V1.00(ZJ.1)B1|2006/01/16:

- 1. [bug fixed]

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Fix German UI wording issue on ZJ0 C0.

V1.00(ZJ.0)C0|2005/11/08:

2. [bug fixed]
problem When OTIST in progress. The G-570S can configure the others setting.

V1.00(ZJ.0)B9|2005/10/27:

3. [bug fixed]
192、194、199、232-236、239-242、247-251、254、255
[ZyXEL Reported-Bug fixed]
problem OTIST does not work with empty key
problem WEP Help Icon
problem Wizard showed different encryption mode from Web
problem Fragmentation doesn't work in TKIP
problem Reset default. The H/W start OTIST didn't successful
problem Finish the Wizard setting. The IE browser showed ZyWALL 1050 name

4. [bug remaining]

5. [bug limitation]

V1.00 (ZJ.0) b4 |2005/09/16

1. [bug fixed]
 1. Fix the problem of memory leak
 2. Improve throughput
 3. Change redboot
 4. Fix UI bugs

V1.00 (ZJ.0) b3|2005/09/05

1. [bug fixed]
 1. Add log clear function
 2. Improve throughput
 3. Change redboot
 4. Change UI bugs
 10. Add support of packet rekey
 11. Add support of XG623G card
 12. Fix the problem "Crashing often appear when switch from WPA2 to WPA"
 13. Fix the problem "Crashing sometimes appear when switch from AP mode to STA mode"

Note: those problems related UI have not been resolved for the reason that UI and web server will be replaced with new one some days later.

V RDC.0.w.1.0.0.NB_alpha_2005_0716A_LEE|2005/07/16

A Summary of This Release

Known Issues:

- 1 Sometimes crashing when switch from WPA2 to WPA or switch from AP mode to STA

- mode
- 2 Can't get AP list when STA mode
- 3 STA can't connect to AP with WPA2 authencator type settings when AP power, but setting it manual, it's ok
- 4 function radio does not supported on web now.
- 5 Mac system of AP doesnot perfect yet

Telnet and CLI Command:**G-570S Command List**

Command Class List Table		
Get Command	Set Command	Del Command
Other Command		

Get Command

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Command				Description
get				All commands beginning with “get” show relative information
	system			display all information of subnode of system
		device name		display device name
		ethstats		display ethernet status
		macaddr		display MAC address of device
		country		display doumain/region
		version		display firmware version
		bridge		display bridge information
			iptype	display the way that the bridge obtains IP address
			ipaddr	display IP address of bridge
			netmask	display subnet mask address of bridge
			gateway	display gateway of bridge
	radius			display all information of the radius authentication server
		auth		display all information of the radius authentication server
			ipaddr	display IP address of radius authentication serverdengyixia
			port	display port using for radius authentication service
			secret	display key using for radius authentication service
	wlan			display all information of wlan
		association		display association list of device
		acl		display information about ACL
			mode	display mode of ACL function
			list	display all MAC in ACL list
		authentication		display authentication type
		encryption		display encryption type
		beaconinterval		display wireless beacon interval

		channel		display channel that device work on
		dtim		display wireless DTIM
		fragmentationthreshold		display wireless RTS threshold
		hide ssid		display whether hide ssid or not
		Intra-BSS Traffic		display enable Intra-BSS traffic function or not
		key		display all keys using for WEP encryption
			type	display key type
			[1 2 3 4]	display key [1 2 3 4] using for WEP encryption
			default	display default key No. used by WEP encryption
			passphrase	display passphrase
		maxconnectionnum		display the number allowed to connect with the device
		operationmode		display which mode that the device work on
		power		display power
		preamble		display preamble type
		radio		display enable radio or not
		rate		display data rate of AP
		remoteap		
			ap+repeater [1 2 3 4]	display one or all remote MAC
			bridge [1 2 3 4]	display one or all remote MAC
		ssid		display SSID of AP
		super-G		display enable super-G or not
		turbo-G		display enable turbo-G or not
		wirelessmode		display wireless mode
		wlanstats		display WLAN status
		wpa		display all information about WPA
			keyupdate mode	display key update mode
			keyupdate interval pkt	display key update condition by packets
			keyupdate interval sec	display key update condition by time
			psk	display WPA-PSK or WPA2-PSK key
			reauthtime	display reauth-time
		wmm		display enable WMM function or not

Set Command

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Command				Description
set				
	system			
		device name	<device name>	set device name
		bridge		
			ip type <DHCP client static IP>	set the way that the bridge obtains IP address

			ipaddr <ipaddr>	set IP address of bridge
			netmask <netmask>	set subet mask address of bridge
			gateway <gateway>	set gateway of bridge
	radius			
		auth		
			ipaddr <ipaddr>	set IP address of radius authentication serverdengyixia
			port <port >	set port using for radius authentication service
			secret <secret >	set key using for radius authentication service
	wlan			
		acl		
			Mode <deny disabled enabled>	set mode of ACL function
			list <mac list>	set MAC to ACL list
		authentication	<(WPA+WPA2) with Radius (WPA+WPA2)-PSK Legacy 802.1X None WEP WPA with Radius WPA-PSK WPA2 with Radius WPA2-PSK>	set authentication type
		encryption	<weplaes tkiplaes+tkiplnone>	set encryption type
		beaconinterval	<20-1000>	set wireless beacon interval
		channel	<channel>	set channel that device work on
		dtim	<1-255>	set wireless DTIM
		fragmentationthreshold	<256-2346>	set wireless RTS threshold
		hide ssid	<enabled disabled>	enable hide ssid or not
		Intra-BSS Traffic	<enabled disabled>	enable Intra-BSS traffic function or not
		key		
			type <64hex 128hex 152hex>	set key type
			<1 2 3 4> <key>	set key [1 2 3 4] using for WEP encryption
			default <1 2 3 4>	set default key No. used by WEP encryption
			passphrase <passphrase>	set passphrase
		maxconnectionnum	<1~32>	set the number allowed to connect with the device
		operationmode	<ap ap+repeater bridge wireless client>	set which mode that the device work on
		power	<12% 25% 50% Full Min>	set power
		preamble	<dynamic long>	set preamble type
		radio	<enabled disabled>	set enable radio or not
		rate	<rate>	set data rate of AP
		remoteap		
			ap+repeater <1 2 3 4> <MAC addr>	set remote MAC
			bridge <1 2 3 4> <MAC addr>	set remote MAC
		ssid	<ssid>	set SSID of AP
		super-G	<enabled disabled>	enable super-G or not

		turbo-G	<enabled disabled>	enable turbo-G or not
		wirelessmode	<802.11b only 802.11g only Auto (11g/11b)>	set wireless mode
		wpa		
			keyupdate mode <never packets seconds>	set key update mode
			keyupdate interval pkt <100~3600>	set key update condition by packets
			keyupdate interval sec <100~3600>	set key update condition by time
			psk <psk key>	set WPA-PSK or WPA2-PSK key
			reauthtime <100~3600>	set reauth-time
		wmm	<enabled disabled>	enable WMM function or not

Del Command

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Command				Description
del				
	wlan			
		acl		
			list <one MAC addr all>	delete one or all MAC in ACL list
		key		delete all keys using for WEP encryption
			<1 2 3 4>	delete key <1 2 3 4> using for WEP encryption
			passphrase	delete passphrase
		remoteap		
			ap+repeater <1 2 3 4>	delete one of <1 2 3 4> remote MAC
			bridge <1 2 3 4>	delete one of <1 2 3 4> remote MAC

Other Related Command

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Command				Description
password				change password
reboot				reboot system
default				default AP
exit				logout current user
quit				quit CLI
help				show help