



**Firmware Release Note**

**ZyXEL G-570S**

**Release V1.00(ZJ.1)C0|2006/02/16**

**Date:**

**Feb 16, 2006**

# **ZyXEL G-570S Standard Version release V1.00(ZJ.1)C0|2006/02/16 Release Note**

## **File Name:**

ZyxeI\_G-570S\_V1.00 (ZJ.1) C0\_20060110.rmt (used by F/W upgrade)

## **Supported Platforms:**

ZyXEL G-570S (HW0.2/HW0.1)

## **Software Base Versions:**

## **Notes:**

### **Known Issues:**

1. TX throughput 摆动幅度比较大
2. 54Mbps Fixed Rate时, 仍会出现24Mbps的包
3. Wireless Client Roaming 需要30秒
4. Radio disabled 之後, 更改WPA-PSK會造成crash, 需要重新插拔電源
5. Multiple web/telnet log in 並沒有被限制
6. The OTIST in this version can not use an empty key.
7. The OTIST does not support WEP152 at this version from Web configurator.
8. In wireless client mode, device can not get IP from DHCP server when WPA/WPA2-PSK is used.

## **CI Command List:**

## **Main Features:**

## **Release History:**

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

Formal release based on ZJ1B1

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

1. [bug fixed]  
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)b8|2005/10/17:**

1. [bug fixed]
  1. fix bug : AP set WPA-PSK&WPA2-PSK mix mode , neither Intra-BSS enable nor disables , STA can't communicate with each other.
2. [bug remaining]
  - 24: pending
  - 191
  - 193: 在phraseII阶段完成
  - 182: 关于WLAN的LED的说明在多份specification中不一致, 请确认
3. [bug limitation]
  - 185: 由于HTTP Server不支持并发的操作, 最好只用一个IE进行管理, 空闲大约15分钟会重新登陆
  - 143: according to the specification of 802.11, this behavior is allowed
  - 188: 在一定的时间内不一定可以得到DHCP Client获取的IP地址

**V1.00(ZJ.0)B7|2005/10/10:**

1. [bug fixed]
  - 11、125、153、178、181、183、184、186、187、189、190、192、194
2. [bug remaining]
  - 24: pending
  - 191
  - 193: 在phraseII阶段完成
  - 182: 关于WLAN的LED的说明在多份specification中不一致, 请确认
3. [bug limitation]
  - 185: 由于HTTP Server不支持并发的操作, 最好只用一个IE进行管理, 空闲大约15分钟会重新登陆
  - 143: according to the specification of 802.11, this behavior is allowed
  - 188: 在一定的时间内不一定可以得到DHCP Client获取的IP地址

**V1.00(ZJ.0)B6|2005/09/29:**

1. [Enhancement]
  - Change bootloader to meet EMI requirment
2. [bug fixed]

23、86、87、119、125、127、135、145、147、149、151、152、158-168、169、170、176、177

3. [bug remaining]

24、89、153、179、180

4. [bug limitation]

178&181: 由于ZyXEL的新需求, 这版暂不做修改

81、154、96: 再上一版测试已经fix, 但SE未来及验证

146: 暂时不解

**V1.00 (ZJ.0) b5 |2005/09/24**

1. [bug fixed]

1. Add Mult-Language UI
2. Fix the problem “不支持ASCII方式的密钥”
3. Fix the problem “RADIUS Server参数secret设置后再次apply时会失效”
4. Fix the problem “WPA2无Rekey的过程”
5. Fix the problem “Enable Global-Key Update 后, 无法disable”
6. Fix the problem “Wireless Client模式下,auth type不应有WPA & WPA2选项出现”
7. Fix the problem “如果在OTIST页enable WPA-PSK自动加密则OTIST功能失效”
8. Fix the problem “MAC Filter加入MAC时有问题,如不能顺序加入第15个MAC等”
9. Fix the problem “Wireless Client模式下不能透传IPX包”
10. Fix the problem “Wireless Client模式下 auth type设为open时可以和shared auth的AP通讯”
11. Fix the problem “修改device name后仍使用旧的名字登录”
12. Fix the problem “Wireless Client模式下,auth type不应有WPA & WPA2选项出现”

**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

**V 0.9.0.NB\_1|2005/8/21**

1. [bug fixed]

1. Change Webserver and UI
2. Fix the problem “Crashing often appear when switch from WPA2 to WPA”
3. Fix the problem “Crashing sometimes appear when switch from AP mode to STA mode”

**V 1.0.1.NB\_2 |2005/08/03**

2. [bug fixed]

1. Change ssh to telnet
2. Fix the bug “启用WPA2或者wep, 设置Global-Key时, auth会变成open system。CLI设置ok”
3. Fix the problem “Connections页单击Rescan, 会在CLI中打印乱码”
4. Fix the problem “Default AP, Country/Region没有恢复到出厂值”
5. Fix the problem “控制Max STA NUM功能无效”

6. Fix the problem "Can't get AP list when STA mode"
7. Fix the problem "STA can't connect to AP with WPA2 authencator type settings when AP power, but setting it manual, it's ok"
8. Fix the problem "11g only模式并启用superG, 在大压力下一段时间后(如一个小时), AP发不出beacon"
9. Add support of WPA & WPA2 mixed mode
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		
<a href="#">Get Command</a>	<a href="#">Set Command</a>	<a href="#">Del Command</a>
<a href="#">Other Command</a>		

#### **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 domain/region
		version		display firmware version
		bridge		display bridge information
			ip type	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		
			iptype <DHCP client static IP>	set the way that the bridge obtains IP address
			ipaddr <ipaddr>	set IP address of bridge
			netmask <netmask>	set subnet 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