



Firmware Release Note

ZyAIR B-420

Release 3.50(HE.2)C0

Date:	March 24, 2004
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ZyXEL ZyAIR B-420 Standard Version release 3.50(HE.2)C0 Release Note

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Supported Platforms:

ZyXEL ZyAIR B-420

Versions:

ZyNOS F/W Version : V3.50(HE.2) | 03/24/2004 11:53:51

Bootbase Version: V1.04 | 06/19/2003 10:22:37

Notes:

1. ZyAIR B-420 is a country dependent product. Please setup correct country code before shipping.
2. If WDS is active, the APs using the version of AP firmware lower than 3523 will send specified packets automatically to APs which enabling the WDS function. So shielded room must be used for testing.

Known Issues:

1. If PC A is connecting to B-420 1 and PC B is connecting to AP or B-420 2 for data communication (the case is WDS or general WLAN structure), then we change the location of two PCs that PC A connects to AP or B-420 2 and PC B connects to B-420 1. Eventually PC A can NOT “talk” to AP or B-420 2 and PC B can NOT “talk” to B-420 1.
2. Some CI commands can NOT work.

CI Command List:

Features:

Modification in 3.50(HE.2)C0 | 03/24/2004

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1. [BUG FIXED]

Symptom: The default setting of 'Log Schedule' should be changed from 'When Log is Full' to 'None'.

Condition: In the eWC\LOGS\Log Settings, the default setting of 'Log Schedule' is 'When Log is Full'.

Modification in 3.50(HE.2)b2 | 03/09/2004

1. [FEATURE CHANGED]

Disable MAC Cloning and reinitialize DHCP Client after the Ethernet is unplugged.

2. [FEATURE CHANGED]

Change the ROM file back to standard version.

Modification in 3.50(HE.2)b1 | 02/26/2004

1. [FEATURE CHANGED]

Modify the ROM file default settings for Aiirmesh.

Modification in 3.50(HE.1)C0 | 12/22/2003

Modification in 3.50(HE.1)b3 | 12/10/2003

1. [BUG FIXED]

Abnormal packet delay when WEP is enabled.

2. [FEATURE ENHANCED]

eWC online help is updated

Modification in 3.50(HE.1)b2 | 10/30/2003

1. [FEATURE CHANGED]

Modify the channel list of France and Singapore.

2. [BUG FIXED]

It fails to restore ROM file from eWC .

Modification in 3.50(HE.1)b1 | 09/24/2003

1. [FEATURE ENHANCED]

Support channel list of Israel.

2. [FEATURE ENHANCED]
Support channel list of Romania.
3. [FEATURE CHANGED]
Apply AP firmware ver. 3828.
4. [BUG FIXED]
Symptom: The traffic is blocked after attaching the device to a large busy network with bridge mode.
Condition: Bridge a PC and a large busy network with 2 devices configured as bridge mode, the device connected with PC will stop transferring packets after a short period of time.
5. [FEATURE ENHANCED]
Add watch dog timer mechanism to restart the zd1201 chip and WLAN driver.

Modification in 3.50(HE.0)c0 | 08/04/2003

1. [BUG FIXED]
Symptom: The country code of India is not correct.

Modification in 3.50(HE.0)b3 | 08/01/2003

2. [BUG FIXED]
Symptom: " TThis is " should be " This is ".
Condition: In the Help page of Channel Usage, description of SSID is" TThis is the Service Set IDentification"
3. [FEATURE ENHANCED]
eWC online help is updated

Modification in 3.50(HE.0)b2 | 07/10/2003

1. [BUG FIXED]
Symptom & Condition : ping lost caused by larger packet.
2. [FEATURE CHANGED]
The LED control is changed, SYS LED will blink with red light when the device is booting and turn off while the device is ready
3. [FEATURE CHANGED]
Remove RTS/CTS and Fragmentation check box in eWC and modify the related eWC online help.
4. [BUG FIXED]
Symptom & Condition : B-420 cannot get IP address through wireless link

Modification in 3.50(HE.0)b1 | 06/18/2003

1. First release for C3 firmware

Annex A CI Command List

Command Class List Table		
System Related Command	Exit Command	Ethernet Related Command
Wireless LAN Related Command	IP Related Command	Bridge Related Command
802.1x Related Command		

System Related Command

[Home](#)

Command				Description
sys				
	adjtime			retrive date and time from Internet
	callhist			
		display		display call history
		remove	<index>	remove entry from call history
	countrycode		[countrycode]	set country code
	date		[year month date]	set/display date
	domainname			display domain name
	edit		<filename>	edit a text file
	extraphnum			maintain extra phone numbers for outcalls
		add	<set 1-3> <1st phone num> [2nd phone num]	add extra phone numbers
		display		display extra phone numbers
		node	<num>	set all extend phone number to remote node <num>
		remove	<set 1-3>	remove extra phone numbers
		reset		reset flag and mask
	feature			display feature bit
	hostname		[hostname]	display system hostname
	log			
		clear		clear log error
		disp		display log error
		online	[on off]	turn on/off error log online display
	rn			
		load	<entry no.>	load remote node information
		disp	<entry no.>(0:working buffer)	display remote node information
		nat	<none sua full_feature>	config remote node nat
		nailup	<no yes>	config remote node nailup
		save	[entry no.]	save remote node information
	stdio		[second]	change terminal timeout value
	systemname		[system name]	Change system name
	time		[hour [min [sec]]]	display/set system time
	treddisp	parse, brief, disp		monitor packets
	trelog			
	trepacket			
	syslog			
		server	[destIP]	set syslog server IP address
		facility	<FacilityNo>	set syslog facility
		type	[type]	set/display syslog type flag
		mode	[on off]	set syslog mode
	version			display RAS code and driver version
	view		<filename>	view a text file
	wdog			

		switch	[on off]	set on/off wdog
		cnt	[value]	display watchdog counts value: 0-34463
	romreset			restore default romfile
	socket			display system socket information
	filter			
		netbios		
	cpu			
		display		display CPU utilization

Exit Command

[Home](#)

Command				Description
exit				exit smt menu

Ethernet Related Command

[Home](#)

Command				Description
ether				
	config			display LAN configuration information
	driver			
		cnt		
			disp <name>	display ether driver counters
		ioctl	<ch_name>	Useless in this stage.
		status	<ch_name>	see LAN status
	version			see ethernet device type
	edit			
		load	<ether no.>	load ether data from spt
		save		save ether data to spt

Wireless LAN Related Command

[Home](#)

Command				Description
wlan				
	active		[on off]	set on/off wlan
	association			display association list
	chid		[channel id]	set channel
	diagnose			self-diagnostics
	essid		[ess id]	set ESS ID
	scan			scan wireless channels
	version			display WLAN version information

IP Related Command

[Home](#)

Command				Description
ip				
	address		[addr]	display host ip address
	arp			
		status	<iface>	display ip arp status
	dhcp		<iface>	
		client		
			release	release DHCP client IP
			renew	renew DHCP client IP
		status	[option]	show dhcp status
	dns			
		query		
		stats		
	httpd			

	icmp			
		status		display icmp statistic counter
		discovery	<iface> [on off]	set icmp router discovery flag
	ifconfig		[iface] [ipaddr] [broadcast <addr> mtu <value> dynamic]	configure network interface
	ping		<hostid>	ping remote host
	route			
		status	[if]	display routing table
		add	<dest_addr default>[/<bits>] <gateway> [<metric>]	add route
		addiface	<dest_addr default>[/<bits>] <gateway> [<metric>]	add an entry to the routing table to iface
		addprivate	<dest_addr default>[/<bits>] <gateway> [<metric>]	add private route
		drop	<host addr> [/<bits>]	drop a route
	status			display ip statistic counters
	udp			
		status		display udp status
	rip			
	tcp			
		status	[tcb] [<interval>]	display TCP statistic counters
	telnet		<host> [port]	execute telnet client command
	tftp			
	traceroute		<host> [ttl] [wait] [queries]	send probes to trace route of a remote host
	xparent			
		join	<iface1> [<iface2>]	join iface2 to iface1 group
		break	<iface>	break iface to leave ipxparent group

Bridge Related Command[Home](#)

Command				Description
Bridge				
	cnt			related to bridge routing statistic table
		disp		display bridge route counter
		clear		clear bridge route counter
	stat			related to bridge packet statistic table
		disp		display bridge route packet counter
		clear		clear bridge route packet counter

802.1x Related Command[Home](#)

Command				Description
8021x				
	radius	authentication	Show	show current radius authentication server configuration
		accounting	Show	show current radius accounting server configuration
	debug	reauth	<0:off 1:on>	set IEEE802.1x reauthentication method
		level	[debug level]	set ieee802.1x debug message level
		trace		show all supplications in the supplication table
		user	[username]	show the specified user status in the supplicant table