



Firmware Release Note

**P-660R-T3 v2
Standard Version**

Release 3.40(APT.0)C0

Date:

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Author:

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ZyXEL P-660R-T3 v2 Standard Version Release 3.40(APT.0)C0 Release Note

Date: Dec 04, 2006

Supported Platforms:

ZyXEL P-660R-T3 v2

Versions:

ZyNOS Version : V3.40(APT.0) | 12/04/2006 10:15:15
Bootbase Version : V1.04 | 7/17/2006 09:52:52

Notes:

P-660R-T3 v2/T3 v2/T7 v2 is next generation of ZyXEL P660R series with higher speed of ADSL2, ADSL2+ technology, speed up to 12Mbps (ADSL2) and 24 Mbps (ADSL2+). With Ethernet, P-660R-T3 v2/T3 v2/T7 v2 offers the flexible way to access the Internet.

Features:

Modification in V3.40(APT.0)C0 | 12/04/2006

Change to FCS version

Modification in V3.40(APT.0)b4 | 11/23/2006

1[BUG FIX]

SPRID: 061114828

ProblemCategory: new found common issue in Rx series

Problem Symptom: When LAN PC uses different IP (IP must be assigned automatically) to enter GUI>LAN>Client List , DUT will crash.

Problem Condition: Step1: Restore default setting, LAN PC can get IP (for example: 192.168.1.33).

Step2: LAN PC configure a static IP (for example: 192.168.1.37), then PC get IP 192.168.1.37.

Step3:Cancel static IP in LAN PC ,it will get IP 192.168.1.37 automatically.

Step4:Login GUI>Advanced Setup>LAN>Client List , DUT will crash.

2[BUG FIX]

SPRID: 061114823

ProblemCategory: common issue

Problem Symptom: Active Windows Networking(NetBIOS over TCP/IP) in GUI/advanced/ LAN/ IP Page, it can' t save

Problem Condition: step1. login advanced, in network->LAN->IP page, click “advanced setup” button, in the following page, active Windows Networking(NetBIOS over TCP/IP), allow between LAN to WAN, then click “apply” .

step2. go to the page again, the set can't save, the Windows Networking(NetBIOS over TCP/IP) is still inactive.

3[BUG FIX]

SPRID: 061114821

ProblemCategory: New Defect

Problem Symptom: there is redundant message in GUI.

Problem Condition: In GUI>status ,there is redundant message about Security.

Modification in V3.40(APT.0)b3 | 11/07/2006

1[BUG FIX]

SPRID: 061031176

ProblemCategory: BAT defect

Problem Symptom: Remote management can not work

Problem Condition: wan pc can not access device although remote management allowed wan access device

2[BUG FIX]

SPRID: 061031167

ProblemCategory: New Defect

Problem Symptom: ATM QoS Test -ATM QoS priority test fail

Problem Condition: use AX4000 test QoS priority ,the priority of more remote nodes is not correct.

3[BUG FIX]

SPRID: 061031172

ProblemCategory: New Defect

Problem Symptom: use ftp can not upload FW from (APT.0)b1 to (APT.0)b2

Problem Condition: use ftp can not upload FW from (APT.0)b1 to (APT.0)b2

4[BUG FIX]

SPRID: 061031174

ProblemCategory: New Defect

Problem Symptom: GUI can not backup romfile

Problem Condition: GUI can not backup romfile,the backup romfile can not download from device.

5[BUG FIX]

SPRID: 061031177

ProblemCategory: New Defect

Problem Symptom: There is not user mode

Problem Condition: This FW can not find user mode,use password "user" also can not login user mode

6[BUG FIX]

SPRID: 061031179

ProblemCategory: New Defect

Problem Symptom: Wizard can not work correctly

Problem Condition: 1. There is not login page to login Wizard page and you must first login in Admin mode then enter Wizard mode. 2. You must configure to RFC1483 mode then Wizard can work correctly, else it can not work.

Modification in V3.40(APT.0)b2 | 10/24/2006

1. create this project with new gui

Modification in V3.40(APT.0)b1 | 08/16/2006

2. Create this project.

Modifications:

Modification in V3.40(APT.0)b3 | 11/07/2006

- 1 remove SPTGEN
- 2 add dynamic button in more connections

Modification in V3.40(APT.0)b2 | 10/24/2006

1. This version is based on trunk Revision 1.281

Modification in V3.40(APT.0)b1 | 08/16/2006

1. This version is based on P-660R-T1 v2(AGJ.1)C0
2. Boot base CL= 3, set to E8

Annex A CI Command List

Command Class List Table		
System Related Command	Exit Command	Ethernet Related Command
WAN Related Command	IP Related Command	PPP Related Command
Bridge Related Command		

System Related Command

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Command				Description
sys				
	adjtime			retrive date and time from Internet
	cbuf			
		display	[a f u]	display cbuf a: all f: free u: used
		cnt		cbuf static
			display	display cbuf static
			clear	clear cbuf static
	baud		<1..5>	change console speed
	callhist			
		display		display call history
		remove	<index>	remove entry from call history
	clear			clear the counters in GUI status menu
	countrycode		[countrycode]	set country code
	date		[year month date]	set/display date
	domainname			display domain name
	edit		<filename>	edit a text file
	enhanced			return OK if commands are supported for PWC purposes
	errctl		[level]	set the error control level 0:crash no save,not in debug mode (default) 1:crash no save,in debug mode 2:crash save,not in debug mode 3:crash save,in debug mode
	event			
		display		display tag flags information
		trace		display system event information
			display	display trace event
			clear <num>	clear trace event
	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
	fid			
		display		display function id list
	firmware			display ISDN firmware type
	hostname		[hostname]	display system hostname
	iface			
		disp	[#]	display iface list
	isr		[all used free]	display interrupt service routine
	interrupt			display interrupt status

	log			
		category		
			access [0:none/1:log]	record the access control logs
			display	display the category setting
			error [0:none/1:log/2:alert/3:both]	record and alert the system error logs
			mten [0:none/1:log]	record the system maintenance logs
			upnp [0:none/1:log]	record upnp logs
			urlblocked [0:none/1:log/2:alert/3:both]	record and alert the web blocked logs
			urlforward [0:none/1:log]	record web forward logs
		clear		clear log
		display		display all logs
		errlog		
			clear	display log error
			disp	clear log error
			online	turn on/off error log online display
		load		load the log setting buffer
		mail		
			alertAddr [mail address]	send alerts to this mail address
			display	display mail setting
			logAddr [mail address]	send logs to this mail address
			schedule display	display mail schedule
			schedule hour [0-23]	hour time to send the logs
			schedule minute [0-59]	minute time to send the logs
			schedule policy [0:full/1:hourly/2:daily/3:weekly/4:none]	mail schedule policy
			schedule week [0:sun/1:mon/2:tue/3:wed/4:thu/5:fri/6:sat]	weekly time to send the logs
			server [domainName/IP]	mail server to send the logs
			subject [mail subject]	mail subject
		save		save the log setting buffer
		syslog		
			active [0:no/1:yes]	active to enable unix syslog
			display	display syslog setting
			facility [Local ID(1-7)]	log the messages to different files
			server [domainName/IP]	syslog server to send the logs
	mbuf			
		cnt		
			disp	display system mbuf count
			clear	clear system mbuf count
		link	link	list system mbuf link
		pool	<id> [type]	list system mbuf pool
		status		display system mbuf status
		disp	<address>	display mbuf status
		debug	[on/off]	
	memory		<address> <length>	display memory content
	memwrite		<address> <len> [data list ...]	write some data to memory at <address>
	memwl		<address>	write long word to memory at <address>
	memrl		<address>	read long word at <address>
	memutil			
		usage		display memory allocate and heap status
		mqueue	<address> <len>	display memory queues

		mcell	mid [f u]	display memory cells by given ID
		msecs	[a f u]	display memory sections
		mtstart	<n-mcell>	start memory test
		mtstop		stop memory test
		mtalloc	<size> [n-mcell]	allocate memory for testing
		mtfree	<start-idx> [end-idx]	free the test memory
	model			display server model name
	proc			
		display		display all process information
		stack	[tag]	display process's stack by a give TAG
		pstatus		display process's status by a give TAG
	queue			
		display	[a f u] [start#] [end#]	display queue by given status and range numbers
		ndisp	[qid]	display a queue by a given number
	quit			quit CI command mode
	reboot		[code]	reboot system code = 0 cold boot, = 1 immediately boot = 2 bootModule debug mode
	reslog			
		disp		display resources trace
		clear		clear resources trace
	stdio		[second]	change terminal timeout value
	time		[hour [min [sec]]]	display/set system time
	timer			
		disp		display timer cell
		trace	[on off]	set/display timer information online
		start	[tmValue]	start a timer
		stop	<ID>	stop a timer
	trcdisp			monitor packets
	trclog			
		switch	[on off]	set system trace log
		online	[on off]	set on/off trace log online
		level	[level]	set trace level of trace log #:1-10
		type	<bitmap>	set trace type of trace log
		disp		display trace log
		clear		clear trace
		call		display call event
		encapmask	[mask]	set/display tracelog encapsulation mask
	trcpacket			
		create	<entry> <size>	create packet trace buffer
		destroy		packet trace related commands
		channel	<name> [none incoming outgoing bothway]	<channel name>=enet0,sdsl00, fr0 set packet trace direction for a given channel
		string		enable smt trace log
		switch	[on off]	turn on/off the packet trace
		disp		display packet trace
		udp		send packet trace to other system
			switch [on off]	set tracepacket upd switch
			addr <addr>	send trace packet to remote udp address
			port <port>	set tracepacket udp port
		parse	[[start_idx], end_idx]	parse packet content
		brief		display packet content briefly

	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
	server			
		access	<telnet ftp web icmp snmp dns> <value>	set server access type
		load		load server information
		disp		display server information
		port	<telnet ftp web snmp> <port>	set server port
		save		save server information
		secureip	<telnet ftp web icmp snmp dns> <ip>	set server secure ip addr
	spt			
		dump		dump spt raw data
			root	dump spt root data
			rn	dump spt remote node data
			user	dump spt user data
			slot	dump spt slot data
		save		save spt data
		size		display spt record size
		clear		clear spt data
	cmgr			
		trace		
			disp <ch-name>	show the connection trace of this channel
			clear <ch-name>	clear the connection trace of this channel
		cnt	<ch-name>	show channel connection related counter
	socket			display system socket information
	filter			
		clear		clear filter statistic counter
		disp		display filter statistic counters
		sw	[on/off]	set filter status switch
		set	<set>	display filter rule
		netbios		
			disp	display netbios filter status
			config <0:LAN to WAN, 1:WAN to LAN, 2:LAN to DMZ, 3:IPSec passthrough, 4:Trigger Dial> <on/off>	config netbios filter
	ddns			
		debug	<level>	enable/disable ddns service
		display	<iface name>	display ddns information
		restart	<iface name>	restart ddns
		logout	<iface name>	logout ddns
	cpu			
		display		display CPU utilization

Exit Command

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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
			clear <name>	clear ether driver counters
		iface	<ch_name> <num>	send driver iface
		ioctl	<ch_name>	Useless in this stage.
		mac	<ch_name> <mac_addr>	Set LAN Mac address
		reg	<ch_name>	display LAN hardware related registers
		rxmod	<ch_name> <mode>	set LAN receive mode. mode: 1: turn off receiving 2: receive only packets of this interface 3: mode 2+ broadcast 5: mode 2 + multicast 6: all packets
		status	<ch_name>	see LAN status
		init	<ch_name>	initialize LAN
	version			see ethernet device type
	pkttest			
		disp		
			packet <level>	set ether test packet display level
			event <ch> [on/off]	turn on/off ether test event display
		sap	[ch_name]	send sap packet
		arp	<ch_name> <ip-addr>	send arp packet to ip-addr
		mem	<addr> <data> [type]	write memory data in address
	test		<ch_id> <test_id> [arg3] [arg4]	do LAN test
	pncconfig		<ch_name>	do pnc config
	mac		<src_ch> <dest_ch> <ipaddr>	fake mac address

WAN Related Command

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IP Related Command

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Command				Description
ip				
	address		[addr]	display host ip address
	loopbackaddr		<IP1> [IP2]	Set loopback address.
	alias		<iface>	alias iface
	aliasdis		<0 1>	disable alias
	arp			
		status	<iface>	display ip arp status
		add	<hostid> ether <ether addr>	add arp information
		resolve	<hostid>	resolve ip-addr
		drop	<hostid> [hardware]	drop arp
		flush		flush arp table
		publish		add proxy arp
	dhcp		<iface>	
		client		
		release		release DHCP client IP

			renew	renew DHCP client IP
		mode	<server relay none client>	set dhcp mode
		relay	server <serverIP>	set dhcp relay server ip-addr
		reset		reset dhcp table
		server		
			probecount <num>	set dhcp probe count
			dnsserver <IP1> [IP2] [IP3]	set dns server ip-addr
			winsserver <winsIP1> [<winsIP2>]	set wins server ip-addr
			gateway <gatewayIP>	set gateway
			hostname <hostname>	set hostname
			initialize	fills in DHCP parameters and initializes (for PWC purposes)
			leasetime <period>	set dhcp leasetime
			netmask <netmask>	set dhcp netmask
			pool <startIP> <numIP>	set dhcp ip pool
			renewaltime <period>	set dhcp renew time
			rebindtime <period>	set dhcp rebind time
			reset	reset dhcp table
			server <serverIP>	set dhcp server ip for relay
			dnsorder [router isp]	set dhcp dns order
		status	[option]	show dhcp status
		static		
			delete <num> all	delete static dhcp mac table
			display	display static dhcp mac table
			update <num> <mac> <ip>	update static dhcp mac table
	dns			
		query		
			address <ipaddr> [timeout]	resolve ip-addr to name
			debug <num>	enable dns debug value
			name <hostname> [timeout]	resolve name to ip-addr
			status	display dns query status
			table	display dns query table
		server	<primary> [secondary] [third]	set dns server
		stats		
			clear	clear dns statistics
			disp	display dns statistics
		table		display dns table
	httpd			
		debug	[on off]	set http debug flag
	icmp			
		echo	[on off]	set icmp echo response flag
		data	<option>	select general data type
		status		display icmp statistic counter
		trace	[on off]	turn on/off trace for debugging
		discovery	<iface> [on off]	set icmp router discovery flag
	ifconfig		[iface] [ipaddr] [broadcast <addr> mtu <value> dynamic]	configure network interface
	ifdrop		<iface>	check if iface is available.
	ping		<hostid>	ping remote host
	pong		<hostid> [<size> <time-interval>]	pong 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
		flush		flush route table
		lookup	<addr>	find a route to the destination
		errcnt		
			disp	display routing statistic counters
			clear	clear routing statistic counters
	status			display ip statistic counters
	adjTcp		<iface> [<mss>]	adjust the TCP mss of iface
	udp			
		status		display udp status
	rip			
		accept	<gateway>	drop an entry from the RIP refuse list
		activate		enable rip
		merge	[on off]	set RIP merge flag
		refuse	<gateway>	add an entry to the rip refuse list
		request	<addr> [port]	send rip request to some address and port
		reverse	[on off]	RIP Poisoned Reverse
		status		display rip statistic counters
		trace		enable debug rip trace
		mode		
			<iface> in [mode]	set rip in mode
			<iface> out [mode]	set rip out mode
		dialin_user	[show in out both none]	show dialin user rip direction
	tcp			
		ceiling	[value]	TCP maximum round trip time
		floor	[value]	TCP minimum rtt
		irtt	[value]	TCP default init rtt
		kick	<tcb>	kick tcb
		limit	[value]	set tcp output window limit
		max-incomplete	[number]	Set the maximum number of TCP incomplete connection.
		mss	[value]	TCP input MSS
		reset	<tcb>	reset tcb
		rtt	<tcb> <value>	set round trip time for tcb
		status	[tcb] [<interval>]	display TCP statistic counters
		syndata	[on off]	TCP syndata piggyback
		trace	[on off]	turn on/off trace for debugging
		window	[tcb]	TCP input window size
	samenet		<iface1> [<iface2>]	display the ifaces that in the same net
	uninet		<iface>	set the iface to uninet
	tftp			
		support		prtn if tftp is support
		stats		display tftp status
	xparent			
		join	<iface1> [<iface2>]	join iface2 to iface1 group
		break	<iface>	break iface to leave ipxparent group
	antiprobe		<0 1> 1:yes 0:no	set ip anti-probe flag
	igmp			
		debug	[level]	set igmp debug level
		forwardall	[on off]	turn on/off igmp forward to all interfaces flag

	querier	[on off]	turn on/off igmp stop query flag
	iface		
		<iface> grouptm <timeout>	set igmp group timeout
		<iface> interval <interval>	set igmp query interval
		<iface> join <group>	join a group on iface
		<iface> leave <group>	leave a group on iface
		<iface> query	send query on iface
		<iface> rsptime [time]	set igmp response time
		<iface> start	turn on of igmp on iface
		<iface> stop	turn off of igmp on iface
		<iface> ttl <threshold>	set ttl threshold
		<iface> v1compat [on off]	turn on/off v1compat on iface
	robustness	<num>	set igmp robustness variable
	status		dump igmp status
pr			
	clear		clear ip pr table counter information
	disp		dump ip pr table counter information
	switch		turn on/off ip pr table counter flag
nat			
	timeout		
		gre [timeout]	set nat gre timeout value
		iamt [timeout]	set nat iamt timeout value
		generic [timeout]	set nat generic timeout value
		reset [timeout]	set nat reset timeout value
		tcp [timeout]	set nat tcp timeout value
		tcpother [timeout]	set nat tcp other timeout value
	update		create nat system information from spSysParam
	iamt		display nat iamt information
	iface	<iface>	show nat status of an interface
	lookup	<rule set>	display nat lookup rule
	new-lookup	<rule set>	display new nat lookup rule
	loopback	[on off]	turn on/off nat loopback flag
	reset	<iface>	reset nat table of an iface
	server		
		disp	display nat server table
		load <set id>	load nat server information from ROM
		save	save nat server information to ROM
		clear <set id>	clear nat server information
		edit active <yes no>	set nat server edit active flag
		edit svrport <start port> [end port]	set nat server server port
		edit intport <start port> [end port]	set nat server forward port
		edit remotehost <start ip> [end ip]	set nat server remote host ip
		edit leasetime [time]	set nat server lease time
		edit rulename [name]	set nat server rule name
		edit forwardip [ip]	set nat server server ip
		edit protocol [protocol id]	set nat server protocol
	service		
		irc [on off]	turn on/off irc flag
	resetport		reset all nat server table entries
	incikeport	[on off]	turn on/off increase ike port flag

PPP Related Command

[Home](#)

Command				Description
ppp				
	autotrigger			
		on	<remoteNodeIndex>	turn on packet trigger, default is enable
		off	<remoteNodeIndex>	turn off packet trigger
		status		show autotrigger status
	retry		<interval>	adjust PPP retrial interval

Bridge Related Command

[Home](#)

Command				Description
bridge				
	mode		<1/0> (enable/disable)	turn on/off (1/0) LAN promiscious mode
	blt			related to bridge local table
		disp	<channel>	display blt data
		reset	<channel>	reset blt data
		traffic		display local LAN traffic table
		monitor	[on/off]	turn on/off traffice monotor. Default is off.
		time	<sec>	set blt re-init interval
	brt			related to bridge route table
		disp	[id]	display brt data
		reset	[id]	reset brt data
	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
	disp			display bridge source table