



Firmware Release Note

Prestige 650R-11

Release 3.40(ES.3)C0

Date: Sep 4, 2002

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ZyXEL Prestige 650R-11 Standard Version release 3.40(ES.3)C0 Release Note

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Supported Platforms:

ZyXEL Prestige 650R-11

Versions:

ZyNOS F/W Version: V3.40(ES.3) | 9/4/2002 13:59:16

Bootbase Version: V1.05 | 7/29/2002 11:53:18

Notes:

1. The Prestige 650 is a compact ADSL over POTS router that can be used for small-office or home-user and allows a small LAN to access the Internet through ADSL connection over the existing copper line.
 - Support Multi-Mode standard (ANSI T1.413, Issue 2; G.dmt(G.992.1); G.lite(G992.2)).
 - One auto-sensing 10/100M Ethernet interface
 - support Multi-protocol over AAL5 (RFC1483)
 - Support PPP over ATM AAL5 (RFC 2364)
 - Support PPP over Ethernet (RFC2516)
 - Support up to 8 PVCs
 - IP routing and bridging modes
 - Multi-NAT for Multi Global IP address Internet Access
 - DHCP Client, Sever and Relay
 - RIP I/ RIP II supported.
 - IGMP
 - IP alias
 - IP Policy Routing
 - ICMP Router Discovery
 - TFTP/FTP server for firmware upgrade
 - F4/F5 OAM
 - Call Scheduling for PPPoE
 - Support Web Configurator
2. For PPPoE, system must turn off the PPP VJ header compression. The command is as following:
“ppp ipcp compress off”, this command is already added into “autoexec.net”
3. Alcatel modem code version is 3.8.163 now.

Known Issues:

None

Features:

Modification in V3.40(ES.3) | 9/4/2002

1. [FEATURE CHANGED] Change name for formal Release.

Modification in V3.40(ES.3)b1 | 8/27/2002

2. [BUG FIXED]
Symptom: System reboot if change standard session to console from telenet under "sys log disp".
Condition: Under "sys log disp" mode, there are some characters still in the telnet session and this would cause the change error.

Modification in V3.40(ES.2) | 8/19/2002

1. [FEATURE CHANGED] Change name for formal Release.

Modification in V3.40(ES.2)b2 | 8/8/2002

1. [FEATURE ENHANCED] Add "Nail-Up" and "Password" configuration by sptgen
2. [FEATURE ENHANCED] Enlarge PPPoE username length to 70 chars
Note: So this version need to upgrade new rom-file
3. [FEATURE CHANGED] Change "PPP" to "PPPoA" at smt4/smt11/web
4. [FEATURE CHANGED] Change the rom-file setting for Switzerland version.
5. [BUG FIXED] Fix the configuration length about PPPoE idle timeout at web wizard

Modification in V3.40(ES.2)b1 | 7/25/2002

1. [FEATURE ENHANCED] Add "ADJUST_GAIN" commands to tune ADSL txGain and Target Noise.
2. [FEATURE ENHANCED] Add "wan adsl rsploss" ci-command
3. [FEATURE ENHANCED] Change the showing model name at smt main from "Prestige 650" to "Prestige 650R-11."
4. [BUG FIXED] Fix the ERROR PACKET trad parse for PPPoE packet.
5. [BUG FIXED] Fix the exception caused by the adsl line plug in and plug out.
6. [BUG FIXED] Fix dyingGasp occurred before loading modem code would cause system reboot.
7. [BUG FIXED] Fix the mbuf->flags would be impacted by hwsar vc number.
8. [BUG FIXED] Fix the smt save quickly would casue the system hang-up.
9. [BUG FIXED] Fix the atm discard packet would casue the exception.

Modification in V3.40(ES.0) | 6/17/2002

1. [FEATURE CHANGED] Change name for formal release.

Modification in V3.40(ES.0)b17 | 6/12/2002

1. [BUG FIXED] Fix ppp channel setting serval times by changing static and dynamic would cause system could not ping out.
2. [BUG FIXED] Fix oam F4 / F5 loopback test would be failure when debug flag is turned off.

Modification in V3.40(ES.0)b16 | 6/7/2002

1. [BUG FIXED] Fix the ip checksum error if the options existed in ip header.
2. [BUG FIXED] Fix the system hangup if the icmp echo request pass through our router in which the port translation setting in serverSet Table was from 1 to 2000.
3. [BUG FIXED] Fix the system hangup due to press left button in smt submenu 24.2 / 24.3 / 24.4 / 12 / 12.1 / 12.3.
4. [BUG FIXED] Fix the CPU Bus timeout if OAM packet pass through our router in which there is no such VC.
5. [BUG FIXED] Fix the channel drop fail and ring up fail problem at smt4/ smt11 (connection magnment)
6. [BUG FIXED] Fix the security webpage filter link list problem.

Modification in V3.40(ES.0)b15 | 5/28/2002

1. [FEATURE ENHANCED] Enlarge the adsl download modem code timing from 100ms to 200ms (HTP)

2. [FEATURE ENHANCED] Change rom-file setting for new structure.
3. [BUG FIXED] Fix the web-page cause the line drop if the setting is as before.
4. [BUG FIXED] Fix the NetBIOS packet incoming from Wan would cause our router exception.
5. [BUG FIXED] Fix the enet-encap could not bind wanip if the dsl line drop and link again.

Modification in V3.40(ES.0)b14 | 5/17/2002

1. [FEATURE ENHANCED] Change Bootbase to 1.04 version
2. [FEATURE ENHANCED] Merge SNMP trap v2
3. [FEATURE ENHANCED] Merge the new exception handler.
4. [BUG FIXED] Fix the DSL Active light is sparkling when no traffic pass through.
5. [BUG FIXED] Fix the exception when typing “sys iface disp wanif0 4” (after wanif0 had created)
6. [BUG FIXED] Fix the exception when new mac address pass through after the following setting steps: bridge is not set at smt1 and change bridge to router at smt11.
7. [BUG FIXED] Fix the exception if change the encap from PPP to 1483.
8. [BUG FIXED] Fix the PPP always idle if packet trigger before DSL line is up.
9. [BUG FIXED] Fix the default setting is lost when we clear the remoteNode by typing space at smt.
10. [BUG FIXED] Fix the username would be “?” if enter IP/Bridge option in smt11_0l

Modification in V3.40(ES.0)b13 | 4/29/2002

1. [FEATURE ENHANCED] Add protection for null pointer to avoid exception.
2. [BUG FIXED] Modify the default dhcp pool number at Web from 4 to 32.

Modification in V3.40(ES.0)b12 | 4/22/2002

1. [BUG FIXED] Modify system reboot: telnet will sometimes let system reboot(exception occur.)
2. [BUG FIXED] Common Bug fixed(porting from IP department by slchiang): add system sometimes will point to null point , new rascode will to detect pointer is null or not.

Modification in V3.40(ES.0)b11 | 4/12/2002

1. [FEATURE ENHANCED] Unify the ADSL driver API for Web, Smt and ci-command.
2. [FEATURE ENHANCED] Add DyingGasp Recovery mechanism
3. [FEATURE CHANGED] Modify the console task priority.
4. [FEATURE ENHANCED] Add setting protection for MBS, Idle-timeout at smt4 / smt11. (0~65535)
5. [FEATURE ENHANCED] Support PPP packet trigger [Note: Now PPP bcp mode would not support]
6. [FEATURE ENHANCED] Add call filter at smt11.5 when the encap was packet trigger (PPPoE / PPP)
7. [FEATURE ENHANCED] Modify the default DHCP ip pool to 32, and change the name of smt3.1 / smt 3.2
8. [FEATURE ENHANCED] Enlarge the Queue number to 128, the tftp memory allocation size and the NatSessions (256 ->1024)
9. [FEATURE ENHANCED] Upgrade romPager(Web Engine) from 3.0 to 4.0
10. [BUG FIXED] Fix the larger packet ping failure from the Wan side at PPPoE encap.
11. [BUG FIXED] Fix the time couldn't be update from time server when the router reset or from the Lan side.
12. [BUG FIXED] Fix the wanIp would not be changed when changing the wanip from static to dynamic.
13. [BUG FIXED] Fix the system hang-up if pressing any key when loading ADSL modem code.
14. [BUG FIXED] Fix the enet-Encap setting would be failure by smt11_0l (not smt4)

Modification in V3.40(ES.0)b10 | 2/5/2002

1. [FEATURE ENHANCED] Support Dynamic DNS, it can be configured from SMT 1.1
2. [FEATURE ENHANCED] Support Remote Management, it can be configured from SMT 24.11

3. [FEATURE CHANGED] Alcatel modem code is upgraded to 3.8.163
4. [BUG FIXED] In Web system status, the subnet mask of remote IP address is wrong
5. [BUG FIXED] In Web “Show Statistics” display error in IE5

Modification in V3.40(ES.0)b9 | 12/17/2001

1. [BUG FIXED] Configured 4 remote nodes, when ADSL line is link down, some remote nodes are not really closed, after line links up.
2. [BUG FIXED] Configured 4 remote nodes, when ADSL line is link down, some remote nodes are not really closed, after line links up again, some remote nodes can't work

Modification in V3.40(ES.0)b8 | 12/4/2001

1. [BUG FIXED] System hangs-up when configured in bridge mode.
2. [BUG FIXED] System hangs-up when PPPoE mode is triggered.
3. [BUG FIXED] WAN iface will increase when system is configuring SMT4 - PPPoE or PPP again and again.

Modification in V3.40(ES.0)b7 | 11/20/2001

1. [FEATURE ENHANCED] support reset button to restore default ROM file.
2. [BUG FIXED] Using MIB browser to get all MIB will make system hang
3. [BUG FIXED] System can't support 1k-Xmodem to upload F/W through Procomm Plus
4. [BUG FIXED] System hang-up, when configuring remote nodes
5. [BUG FIXED] In testing Upstream stress test to 4 remote nodes, 4 remote nodes receive different packet counts
6. [BUG FIXED] In Web/GUI, system can't display DSL modem version
7. [BUG FIXED] Configure LAN port to 100Mbps but it is treated as 10Mbps

Modification in V3.40(ES.0)b6 | 11/8/2001

1. [FEATURE ENHANCEMENT] supports MIB-II.
2. [BUG FIXED] Change UBR to CBR, system will fail to ping.
3. [BUG FIXED] System will hang when using SNMP browser.
4. [Modem code] The modem code version name should be Alcatel 3.8.124
5. [BUG FIXED] system log can not be cleared
6. [BUG FIXED] Budget allocation can only be used when encapsulation is “PPPoE”

Modification in V3.40(ES.0)b5 | 10/26/2001

1. [FEATURE ENHANCED] Supports Embedded Web Configurator.
2. [FEATURE ENHANCED] Supports Uart using internal clock, but the baud rate only supports max to 38400bps
3. [FEATURE ENHANCED] change default VPI/VCI to 8/35.

Modification in V3.40(ES.0)b4

1. [FEATURE ENHANCED] Modify BOOTBASE and also BOOTTEXT to support MX flash

Modification in V3.40(ES.0)b3

1. [FEATURE ENHANCED] In ATM RX.C ATM RX ISR, when receives error packets should free receive Rx count
2. [BUG FIXED] In SMT 3.2, DHCP item can't be saved.
3. [BUG FIXED] In SMT 11, the subnet mask of Remote IP address can't be saved.
4. [BUG FIXED] Throughput test by Smart Application will fail when test duration is 60 seconds or more