



**Firmware Release Note**

## **Prestige 650R-13**

**Release 3.40(FU.3)C0**

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# **ZyXEL Prestige 650R-13 Standard Version release 3.40(FU.3)C0 Release Note**

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## **Supported Platforms:**

ZyXEL Prestige 650R-13

## **Versions:**

ZyNOS F/W Version: V3.40(FU.3) | 9/5/2002 11:36:05

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

## **Notes:**

1. The Prestige 650R-13 is a compact ADSL over ISDN 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 ITU standard (G.992.1 AnnexB; G.997.1).
  - 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
  - Dynamic DNS
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 2.7.38 now.

## Known Issues:

None

## Features:

### Modification in V3.40(FU.3) | 9/5/2002

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

### Modification in V3.40(FU.3)b1 | 8/28/2002/8/28

1. [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(FU.2) | 8/19/2002

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

### Modification in V3.40(FU.2)b2 | 8/9/2002

1. [FEATURE ENHANCED] Add “Nail-Up” and “Password” configuration by sptgen
2. [FEATURE ENHANCED] Enlarge PPPoE username length to 70 characters.  
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. [FEATURE CHANGED] Change ADSL standard form “Normal Open” to “Multi-mode”
6. [BUG FIXED] Fix the configuration length about PPPoE idle timeout at web wizard

### Modification in V3.40(FU.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-13”.
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(FU.0) | 6/17/2002

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

### Modification in V3.40(FU.0)b11 | 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(FU.0)b10 | 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(FU.0)b9 | 5/31/2002

1. [BUG FIXED] Fix firmware upgrade by console sometimes would cause system un-boot.
2. [BUG FIXED] Fix ppp dial fail if setting by sptgen if encap changed from 1483 or enet-encap.
3. [BUG FIXED] Fix the filter setting in IpAlias at smt3.2.1 is not NULL by default.
4. [FEATURE ENHANCED] Modify the web Help message about wizard and security.
5. [FEATURE CHANGED] Modify the process for NAT error setting.

#### **Modification in V3.40(FU.0)b8 | 5/28/2002**

1. [FEATURE CHANGED] Change Alcatel modem code to 2.7.38
2. [BUG FIXED] Fix the enet-encap could not bind dynamic wanip if DSL line is dropped and linked again.
3. [BUG FIXED] Fix exception if NetBIOS (port=138) enter wanSide and NAT/SUA is turned on.
4. [BUG FIXED] Fix the channel would close & open again if there is no change at NAT webpage.
5. [BUG FIXED] Enlarge the adsl modem code download timing from 100ms to 200ms (For HTP)
6. [BUG FIXED] Fix the username would be “?” if we enter smt11.3 and return smt11.1

#### **Modification in V3.40(FU.0)b7 | 5/16/2002**

1. [FEATURE ENHANCED] Change Bootbase to 1.04 version.
2. [FEATURE ENHANCED] Merge SNMP trap v2.
3. [BUG FIXED] Fix the DSL Active light is sparkling when no traffic pass through.
4. [BUG FIXED] Fix exception when typing “sys iface disp wanif0 4” ( after wanif0 had created )
5. [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
6. [BUG FIXED] Fix the exception if changing the encap from PPP to 1483.
7. [BUG FIXED] Fix the PPP always idle if packet trigger before DSL line is up.
8. [BUG FIXED] Fix default setting is lost when we clear the remoteNode by typing space at smt.

#### **Modification in V3.40(FU.0)b6 | 4/29/2002**

1. [FEATURE ENHANCED] Add sptgen feature.
2. [FEATURE ENHANCED] Modify the default DHCP pool from 6 to 32.

#### **Modification in V3.40(FU.0)b5 | 4/12/2002**

1. [FEATURE CHANGED] Change the interrupt priority.
2. [BUG FIXED] Fix the ADSL LED would not let off when we reset adsl line by smt or web.
3. [BUG FIXED] Fix the restore default rom button would cause the security level change to 3.
4. [BUG FIXED] Fix the loss of web help pages.
5. [BUG FIXED] Fix the err\_code=0x0009 problem when we press the NULL help WebPages.
6. [FEATURE ENHANCED] Add the separated selection for Web security page.

#### **Modification in V3.40(FU.0)b4 | 4/1/2002**

1. [BUG FIXED] Fix the TimeServer would cause the system reset.
2. [BUG FIXED] Fix the TimeServer couldn't upgrade after the system reset.
3. [BUG FIXED] Fix the loss of the Web mainmenu's help.
4. [BUG FIXED] Enlarge the length of the PPPoE username to 45 by Web.
5. [BUG FIXED] Add Snmp protection for incorrect content attack.
6. [BUG FIXED] Fix the OH-phone call couldn't work.
7. [FEATURE ENHANCED] Protect the romfile to avoid the write flash error if spRead() is called after spSave() immediately.

#### **Modification in V3.40(FU.0)b3 | 3/20/2002**

1. [FEATURE ENHANCED] Add RemoteNode management
2. [FEATURE ENHANCED] Add PPP packet trigger (Warning: This hadn't supported PPP BCP mode)
3. [FEATURE ENHANCED] Add Call filter to support PPP / PPPoE at smt11.5
4. [FEATURE ENHANCED] Add ESP pass through from the server side.
5. [FEATURE ENHANCED] Add extended username to support 45 characters
6. [FEATURE ENHANCED] Enlarge the default queue number

7. [BUG FIXED] Add protection for MBS setting at smt4 / smt11.6 (MBS range: 0~65535)
8. [BUG FIXED] Add protection for idle-timeout at smt4 / smt11.1 (Idle Timeout range: 0~65535)
9. [BUG FIXED] Fix the username and password are “ ” (space) when the encap became from 1483 to PPPoE.
10. [FEATURE CHANGED] Modify the name of smt submenu3 (same as smt mainmenu) and submenu3.2
11. [FEATURE CHANGED] Change the default DHCP ip pool number to 32
12. [FEATURE ENHANCED] Add the Nat webpage / firmware upgrade/ default rom file at Advance setup and Matenment.
13. [BUG FIXED] Fix the DHCP web-page link fail
14. [BUG FIXED] Fix the reset button failure at Web configuration/Advanced Setup/ Lan
15. [BUG FIXED] Remove the “NeedSave” characters when we save smt
16. [FEATURE ENHANCED] Add dyingGasp Recovery mechanism.
17. [FEATURE CHANGED] Change ADSL multi-mode to Normal Open mode.
18. [BUG FIXED] Fix the ping failure when the packet size larger than 1473 from the wan side (PPPoE encap)

#### **Modification in V3.40(FU.0)b2 | 2/5/2002**

1. [FEATURE ENHANCED] Add DDNS Web.
2. [BUG FIXED] Fix the display about the my wanip at smt24.1 when the length of the ip string is became short from long.
3. [BUG FIXED] Fix the Reset button would casue exception after loading default rom-file.

#### **Modification in V3.40(FU.0)b1 | 1/31/2002**

1. [FEATURE ENHANCED] Add the DDNS setting by smt (submenu 1, and 1-1).
2. [FEATURE ENHANCED] Modify showing APIs about the ADSL driver at smt / web / ci-command.
3. [FEATURE CHANGED] Change modem code to 2.7.35 for AnnexB
4. [FEATURE CHANGED] Modify the hwsar ci-command the same as before.
5. [BUG FIXED] Fix the failure when users press the buttton about ATM counter and OAM Loopback at web.
6. [BUG FIXED] Fix the subnet mask always display 0.0.0.0 at web status page.
7. [BUG FIXED] Fix the range of NAT server mapping set from 2 to 10 at Web
8. [BUG FIXED] Fix false alarm if user hadn't changed any setting in NAT server set menu at Web.
9. [BUG FIXED] Fix the router would hang-up if pressing any key when the router download modem code.
10. [BUG FIXED] Fix the non-initializing value for static variable.
11. [FEATURE CHANGED] Change the rom-file setting.