

ZyXEL Prestige P2864I

1.50 Release Note/Manual Supplement

Date: August 17, 1998

This Release Note/Manual Supplement contains information about the new features, and bug fixes since the incremental release v1.42(A.03I).

The **New Features** section lists the new features added to this release. Please read through the **Enhancement Details** section for detail information.

1 New Features

SUA Enhancements

In this release, SUA has been enhanced to support the popular applications: Microsoft's tracertrt under Windows9x and Windows NT, CuSeeMe, IRC, RealAudio, VDOLive, Quake, and PPTP. Besides above, multiple SUA servers are supported.

CLID, and WAN IP Address Shown on Menu 24.1

CLID and WAN IP address are shown on Menu 24.1. Due to the space limitation in Menu 24.1, Menu 24.1 has been separated into to two screens. The original static information in Menu 24.1 has been moved to Menu 24.2.1. Now, Menu 24.1 only displays the dynamic information.

2 Supported Platforms

v1.50(B.00) supports Prestige models: P2864I.

3 Enhancement Details

3.1 SUA Enhancements

SUA has been enhanced to support the popular Internet applications: MS tracertrt, CuSeeMe, IRC, RealAudio, VDOLive, Quake, and PPTP. There is no configuration needed for supporting these applications.

For multiple SUA server support, the **Server IP Addr** field in Menu 4 and 11.2 has been removed and a new Menu 15 is added.

Menu 15 - Multiple Server Configuration

Port #	IP Address
-----	-----
1. Default	0.0.0.0
2. 0	0.0.0.0
3. 0	0.0.0.0
4. 0	0.0.0.0
5. 0	0.0.0.0
6. 0	0.0.0.0
7. 0	0.0.0.0
8. 0	0.0.0.0

There are up to eight SUA servers can be configured in this menu. The first one is reserved for the default server, and it can not be changed. You only need to assign the IP address to this default server. For other SUA servers, you need to assign them both of the Port number and the IP address.

If the default server has been configured, the entire unknown (port number is not configured in this Menu, nor in SUA table) WAN incoming IP packets will be routed to this IP address. Otherwise, Prestige will discard them silently if they are neither Telnet (port number 23) nor Authentication (port number 113) packets. For Telnet packets, Prestige will perform as Telnet server in this case. For Authentication packets, Prestige will reject them.

The most often used port numbers are:

Table 1. Services vs. Port number:

Service	Port number
FTP	21
telnet	23
SMTP	25
DNS (Domain Name Server)	53
www-http (Web)	80
PPTP	1723

3.2 CLID, and WAN IP Address Shown on Menu 24.1

Menu 24.1 has been separated into to two screens. The original static information in Menu 24.1 has been moved to Menu 24.2.1 as below.

Menu 24.2.1 - System Maintenance - Information

Name: 1.5FCS
 Routing: IP/IPX
 RAS S/W Version: V1.50(A.00) | 8/17/98
 ISDN F/W Version: V 4.13d
 Country Code: 255

LAN

Ethernet Address: 00:a0:c5:40:00:ee
 IP Address: 204.237.202.151
 IP Mask: 255.255.255.192
 DHCP: None

Menu 24.1 only displays the dynamic information now. The B-channel instead of the logical channel is shown under **CHAN** now. The CLID of the incoming data or voice call will be shown on this menu too. So is WAN IP address.

Menu 24.1 - System Maintenance - Status

CHAN CLU	Link ALU	Type Up Time	TXPkt	RXPkt	Error
0	1	isp 12%	64Kbps 0:28:24	28923	25392
0	2	Voice 0%	0Kbps 0:00:00	15521	13194
Total Outcall Time:			11:31:06		

Ethernet

Status: 10M/Half Duplex
 TX Pkt: 59389
 RX Pkt: 126924
 Collision: 3

B1 IP Addr: 202.237.102.121

B2 IP Addr:

B1 CLID:

B2

CLID: 12345

LAN Packet Which Triggered Last Call: (Type: IP)

45 00 00 38 7D 14 00 00 3F 11 C8 0B CA E7 BB 61 9D 16 01 06 00 35 00 35
 00 24 39 90 79 65 00 00 00 01 00 00 00 00 00 06 64 6F 6D 61 69 6E 03

Press Command:

COMMANDS: 1-Drop B1 2-Drop B2 3-Reset Counters 4-Drop All ESC-Exit

4 Bug fixes

1. Prestige used to have a bug in its SUA mechanism. This bug caused Prestige dropping the fragmented WAN incoming IP packets. The symptom is that you have problems to certain Web sites if the Prestige is configured SUA. It is fixed in this release.

2. Prestige's behavior was unexpected if aggregation was requested in the callback case. It was because Prestige did not implement callback request and response for BAP (Bandwidth Allocation Protocol). Prestige has been enhanced to handle callback request and response for BAP in this release.
3. Prestige used to write Error or Info messages to its system log after ping and telnet finished. These messages might cause users unnecessary concerns. There will be no more this kind of messages in system log after this release.
4. Prestige did not respond to HDAP (Host Discovery and Address Assignment Protocol) requests from PWC (Prestige Web Configurator) any more after its IP address changed. It is fixed in this release.
5. The information in the call history entry is nonsense if the data in Rate column is blank in Menu 24.9.4. But Prestige should not show it anyway. Prestige does not show it any more.
6. **My Login** and **My Password** fields for Outgoing call in Menu 11.1 are not required fields anymore.
7. Add CI command "ip dhcp reset" to clean up the DHCP (Dynamic Host Configuration Protocol) table. It means that the DHCP will be empty after this CI command.
8. Prestige did not inform far-end its MAC address in IPXCP negotiation. It has been added.
9. Prestige used to route the WAN incoming IP multi-cast packets to default route. Now, it will drop these incoming multi-cast packets.
10. Prestige used to have problems to transfer big files (over 56K bytes after compression) with Ascend MAX if compression is on. It is fixed.
11. Prestige will negotiate LCP magic number with remote router now.
12. By default, Prestige used to negotiate for PPP VJ slot ID compression, it has been changed not negotiate for PPP VJ slot ID compression any more.
13. Prestige will send the ICMP redirect packet to the source of the packet if Prestige knows the gateway, which provides better route from the station to the destination than using Prestige as the gateway.
14. In Menu 24.1, the value of Total Outcall Time is the sum of the outcall time of switched channels now.
15. The range of callback timeout has been changed from "5 to 60 seconds" to "1 to 60 seconds".
16. In this release, Prestige will prevent the IP route of a newly added remote node overwriting the LAN routing entry in routing table.
17. In this release, Prestige will drop the link even if the far-end does not respond to Prestige's request for dropping the link in case BAP used for aggregation negotiation.
18. For eliminating new user's confusion on entering ISP's IP address. **ISP IP Addr** field in Menu 4 is removed.

5 Known Problem List

1. For European version, a global digital call will still ring and can be answered even if **MSN** is selected in Menu 2 as the **incoming call matching** method.
2. For European version, the ISDN **Link** status still shows **Idle** in Menu 24.1 even if the cable is unplugged.
3. In very large IPX networks, you may have problems accessing the desired servers.
4. The TCP/IP filters configured in Menu 21 may not work properly if it is a SUA connection. It is because Prestige executes the call/output filter after SUA converting the source IP address and port number of the packets from LAN. And executes the input filter before SUA converting destination IP address and port number to local address and port number.
5. Prestige may have problems to answer modem call after a dial-in modem connection.

6 To Upgrade Prestige

Get the files from ZyXEL anonymous FTP server (ftp.zyxel.com). Upgrade your Prestige by following the instructions for your model:

Versions:

RAS S/W Version - V1.5(B.00) | 8/17/97
ISDN F/W Version - DSS1: V 4.13d
1TR6: V 4.13d
USA : V 4.13d

Files needed to be uploaded to Prestige 2864I:

RAS: pr15_1.zip (ras.3-b)

Note: pr15_2.zip (ras.3-6, ras.b-c) for Beta hardware; please refer to Appendix A for special information.

ISDN firmware: p2864ia.zip (p2864ia4.13d- for Northern America)

p2864ie.zip (p2864ie4.13d - for DSS1)

p2864ig.zip (p2864ig4.13d - for 1TR6)

Commands:

ATBAx: Where x = baud rate

options available are:

1= 38.4K

2= 19.2K

3= 9.6K

ATUR: Upload RAS file via XMODEM

ATIS: Connect to ISDN Modem for firmware Upload

ATUPX: Upload ISDN firmware via XMODEM

Romfile: romfile.zip (romfile0)

ATUR3: Upload Romfile and clear all settings

Note: You don't need to upload this file if you are upgrading from release 1.2(a.01) unless you want to reset all configurations to factory default.