

ZyXEL Prestige v1.49 Release Note/Manual Supplement

Date: July 11, 1998

This Release Note/Manual Supplement contains information about the new features, and bug fixes since the incremental release v1.42(x03I). This release only has the P100 and P128 versions, and supports the switch type DSS-1.

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

Notes:

1. For P128 version, the CI command "isdn ana display" is disabled. A new CI command "sys epalog" is added to display the raw ISDN trace information on screen. A new DOS tool - epapc, is accompany to this release for you to decode the raw ISDN information.
2. For Denmark customers, an extra step besides SMT configuration is needed in order to make A/B adapter work properly. Please enter CI command "isdn set initstring s121=2" once after SMT configuration.
3. V1.49 was intended for French DSS-1 switch originally. Upgrade Prestige to this version only if you need a specific change in this release. Otherwise, please wait for the formal v1.50 release.

New Features:

SUA Enhancements

In this release, SUA has been enhanced to support the popular applications: MS tracert, CuSeeMe, IRC, RealAudio, VDOLive, Quake, and PPTP. Besides above, multiple SUA servers are supported.

Advanced ISDN Features

Call Waiting is supported in this release. It works only if Additional Call Offering (ACO) is subscribed from PTT.

Supported Platforms:

v1.49(x.01) supports the DSS-1 switch type on Prestige 1xx series - P100, P100IH, P128, and P128L..

Enhancement Details

SUA Enhancements

SUA has been enhanced to support the popular Internet applications: MS tracert, 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. For configuring a SUA server, it is needed to enter server's Port number and its IP address. The most often used port numbers are:

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

If SUA default server is configured, all of the unknown WAN incoming IP packets will be routed to the SUA default server. If SUA default server is not configured, Prestige will handle the unknown WAN incoming IP packets. For those packets not supported by Prestige, Prestige will discard them silently in this case.

Prestige supports telnet. So, it will handle telnet requests if neither the SUA default server nor port number 23 (telnet) server is configured. Prestige will reject Authentication packet if neither the SUA default server nor port number 113 (Authentication) server is configured.

Advanced ISDN Features

Call Waiting is now supported for DSS-1 switch. Additional Call Offering (ACO) is required on your ISDN line in order to using the Call Waiting feature. The new Menu 2.1 is shown below.

Menu 2.1 -- ISDN Advanced Setup

Phone 1 Call Waiting= Enable/Disable
Phone 2 Call Waiting= Enable/Disable

Call Waiting

ISDN Call Waiting allows you to place a call on hold while you answer another incoming call on the same phone (directory) number.

How to use Call Waiting

- Putting current call on hold and answering an incoming call.
After hearing the call waiting indicator tone, press and release the flash hook button on your telephone.
- Hanging-up current call before answering an incoming call.
Simply hang-up the phone and wait for the phone to ring before answering the incoming call.
- Hanging-up the second call and switching back to the 1st call.
Simply hang-up the phone and wait for the phone to ring back. Then pick-up the call to return to the 1st call.
- Switching back and forth from current call and the call on hold.
Press and release the flash hook button on your telephone.

Notes:

An incoming caller will receive a busy signal if:

1. you have two calls already (one active and one on hold) on the phone which is attempted by this incoming call.
2. you are placing a call before the connection is established when the incoming call is attempting to reach you.

Bug fixes

1. Some P100 and P128 users experienced hang once a couple of weeks. When it happened, it needed human intervention to power cycle the P100/P128 for making it work again. In this release, P100 and P128 will re-boot itself to eliminate the human intervention.
2. In this release, the static information in Menu 24.1 has been moved to Menu 24.1.1. Menu 24.1 only displays the dynamic information now. New dynamic information are: B-channel, WAN IP address, and CLID
3. Prestige used to have a bug in its SUA mechanism. This bug caused Prestige dropping the WAN incoming IP packets, which were fragmented. The symptom is that you have problems to certain Web sites if the Prestige is configured SUA. It is fixed in this release.
4. Prestige's behavior was un-expectable 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.
5. 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.
6. 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.
7. 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.

8. **My Login** and **My Password** fields for Outgoing call in Menu 11.1 are not required fields anymore.
9. Add CI command "ip dhcp reset" to re-set the DHCP (Dynamic Host Configuration Protocol) table to default.
10. Prestige did not inform far-end its MAC address in IPXCP negotiation. It has been added.
11. Prestige used to route the WAN incoming multi-cast packets to default route. Now, it will drop these incoming multi-cast packets.
12. Prestige will exit from Menu 24.1 after unplug the RS232 cable now.
13. Prestige used to have problems to transfer big files (over 56K bytes after compression) with Ascend MAX if compression is on. It is fixed.
14. Prestige will negotiate LCP magic number with remote router now.
15. 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.
16. 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.
17. In Menu 24.1, the value of Total Outcall Time is the sum of the outcall time of switch channels.
18. The performance of MP connection is tuned to resolve the MP queue full problem.
19. Stac compression sequence error is fixed at this version.
20. The range of callback timeout has been changed from "5 to 60 seconds" to "1 to 60 seconds".
21. In this release, Prestige will prevent the IP route of a newly added remote node overwriting the LAN routing entry in routing table.
22. For P128L, the default value for Idle timeout in Menu 11.1 is 0 (infinite) now.
23. 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.
24. For eliminating new user's confusion on entering ISP's IP address. **ISP IP Addr** field in Menu 4 is removed.

Known Problem List

1. Menu 24.1 Channel information may miss some information.
2. Sometimes, both bundled data channels are dropped if user off-hooks both phones at the same time.
3. Connect to the switch not supporting in-band dial tone, Prestige will send the same tone to different phone. When Phone A is ringing, offhook Phone B, Phone A will change to dial tone.
4. Global digital call will still be answered if MSN selected as *incoming call matching* method.
5. A/B adapter dial tone may disappear if call bumping is attempted in rapid succession and the switch do not support in-band tone.
6. The ISDN Link status always shows *Idle* in Menu 24.1 even if the cable is unplugged.
7. In huge IPX network, you may have problems to access to the desired server.

To Upgrade Prestige

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

P128/P128L

Versions:

RAS S/W Version -	V1.49(B.01) 7/10/98
ISDN F/W Version -	DSS1: V 079f

RAS and ISDN firmware files:
p128e.bin

Commands:

ATBAx: Where x = baud rate
options available are:
1= 38.4K
2= 19.2K
3= 9.6K
4= 57.6K
5= 115.2K

ATUR: Upload Firmware file 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(b.01) unless you want to reset all configurations to factory default.

P100/P100IH

Versions:

RAS S/W Version - V1.49(C.01) | 7/11/97
ISDN F/W Version - DSS1: V 079f

RAS and ISDN firmware files:
p100e.bin (for DSS1)

Commands:

ATBAx: Where x = baud rate
options available are:
1= 38.4K
2= 19.2K
3= 9.6K
4= 57.6K
5= 115.2K

ATUR: Upload Firmware file 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(c.01) unless you want to reset all configurations to factory default.