

# ZyXEL Prestige P153/P153x Formal release 2.12 (E.02) Release Note

Date: September 1,1998

## Supported Platforms:

ZyXEL Prestige firmware 2.12(E.02) supports P153/P153x

## Features:

### Multiple WAN Ports

Your *Prestige 153* has three async WAN ports (WAN-1,2,3). Each WAN port can be connected to a dial-up/leased line modem or to an ISDN TA (ISDN Terminal Adapter).The WAN ports can be used independently for different destinations, or they can be bundled for one connection to support bandwidth-on-demand.

### Leased Line/Dial Back-Up Support

Your *Prestige 153/153X* supports leased line connections. Several leased lines can be bundled for one connection. The *Prestige* can also support dial back-up function for the leased line connection.

### Multiple Networking Protocol Support

The *Prestige 153/153X* is a multi-protocol router that supports TCP/IP, Novell IPX, and Transparent Bridging.

### Dial-On-Demand

The Dial-On-Demand feature allows the *Prestige 153/153X* to automatically place a call to a remote node whenever there the traffic coming from any workstation on the LAN is directed to that particular remote site.

### Bandwidth-On-Demand

The Bandwidth-On-Demand feature provides flexible bandwidth when needed. The *Prestige 153/153X* dynamically allocates bandwidth between the WAN ports, increasing or decreasing speeds as needed to allow for greater efficiency in data transfer.

By using the PPP/MP (Point-to-Point Protocol/Multilink Protocol), your *Prestige 153/153X* can bundle three WAN ports connected to three different modems or ISDN TAs in order to use the maximum available bandwidth. The *Prestige 153/153X* supports BAP (Bandwidth Allocation Protocol) and BACP (Bandwidth Allocation Control Protocol) to manage the number of links in multilink bundle.

### Full Network Management

Your *Prestige 153/153X* supports SNMP (Simple Network Management Protocol) and allows menu-driven network management via an RS-232 or Telnet connection. Your *Prestige* is also equipped with a Call Detail Record to help analyze and manage your telephone bill.

### RADIUS

The RADIUS (Remote Authentication Dial-In User Service) feature allows you to use an external and central UNIX-based server to support thousands of users.

## **PAP and CHAP Security**

The *Prestige* supports PAP (Password Authentication Protocol) and CHAP (Challenge Handshake Authentication Protocol). With PAP authentication enabled, the user sends the name and password in plain text. Generally, CHAP authentication is more secure since the password is scrambled prior to transmission. However, PAP is readily available on more platforms.

## **DHCP Support**

DHCP (Dynamic Host Configuration Protocol) allows you to dynamically and automatically assign IP address settings to hosts on your network.

## **Call Control**

Your *Prestige* provides budget management for outgoing calls and maintains a blacklist for unreachable phone numbers in order to save you the expense of unnecessary charges.

## **Data Compression**

Your *Prestige* incorporates Stac data compression and CCP (Compression Control Protocol).

## **Networking Compatibility**

Your *Prestige* is compatible with remote access products from other manufacturers such as Ascend, Cisco, and 3Com. Furthermore, it supports Microsoft Windows 95 and Windows NT remote access capability.

## **Versions:**

RAS S/W Version : V2.12(E.02) | 9/1/98  
BootModule : P42D, built at Mon, Apr 28 11:07:59 1998

## **Firmware upgrade:**

Get the files from ZyXEL anonymous FTP server (<ftp.zyxel.com>).  
Upgrade your Prestige as the following procedures:

1. Download p153.bin and romfile0 from the server.
2. Use any communication program such as PCPLUS and connect to the available COM port in the PC.
3. Power on Prestige and go to BootModule debug mode.
4. Type **atur** and upload firmware file "p153.bin".
5. Type **atur3** and upload configuration file "romfile0".
6. Reboot the Prestige.

## **Bug fixes:**

### **Modification in 2.12(E.02) (1998/8/21)**

1. Bug fix: The idle timeout may not work if the system have run a very long time.
2. Bug fix: The Prestige can not dial out if the system iface do not free.
3. Bug fix: The channel can not drop problem.
4. Bug fix: Modify the number of memory cell to avoid the SMT memory allocation fail.
5. Modify the default value of "add persist time" and "sub persist time" in the menu 11.2 from 5 sec to 30 sec.
6. Bug fix: The IPX will cause the system crash.

### **Modifications in 2.12(E.01) (1998/7/28)**

1. First formal release.