

# Prestige P650H-17 3.40(GL.0)C0

## Release Note

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Date: July 12, 2002

### Supported Platforms:

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TOSHIBA TMPR39280F

### Versions:

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ZyNOS Version: V3.40(GL.0) | 07/12/2002

Bootbase Version: V1.04 | 5/13/2002 18:55:09

### Notes:

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1. The P650H-17 (ADSL Router) is a small-office and home device that will allow a small LAN to access the Internet. By integrating ADSL, and NAT capability, P650H-17 provides not only the ease of installation and Internet access, but also the most completed security solution to protect your intranet and efficient network management for data traffic.  
The P650H-17 provides four single auto-sensing, auto-detection 10/100BASE-T Ethernet ports for connection to the user's local network, and a single RJ-11 port for connection to ADSL line.

Main features:

- ADSL

- Support Multi-Mode standard (ANSI T1.413, Issue 2 ; G.dmt(G.992.1); G.lite(G992.2)).
- Auto-negotiating rate adaptation
- ADSL physical connection ATM AAL5 (ATM Adaptation Layer type 5)
- Support multi-protocol over AAL5 (RFC1483)
- Support PPP over ATM AAL5 (RFC2364)
- PPP over Ethernet support for DSL connection (RFC 2516)
- Support VC-based and LLC-based multiplexing
- F4/F5 OAM

- Hardware

- Four 10/100M Ethernet UTP ports for LAN connection
- Restore Factory Defaults/Reboot button

- Router

- NAT (includes multi-to-multi NAT) / SUA
- Packet Filter
- VPN (IPSec, PPTP, & L2TP) pass through support
- Port forwarding
- Embedded Web Configuration
- SNMP v1 & v2c with MIB II

2. The version of Alcatel modem code is 4.9.2

## **Modification:**

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### **Modification in 3.40(GL.0)b4 (July 9, 2002)**

PPPoE Light always on when connected.

Change Modem Code 4.9.2

Update Default ROM File and Set Ctrl-E Registers Value 0xC3 to 0xFD, and 0xC4 to 0xFE

Add Feature Static DHCP Assignment by MAC Address.

Merge Bug Fix for MPOA Broadcast Init.

Merge Bug Fix for ATM Init.

## **Bug fixes:**

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## **Known bugs:**

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## 1. Manufactory Data in Bootbase

ZyNOS Version	: V3.40 (GL.0)   07/12/2002 10:22:40
Bootbase Version	: V1.04   5/13/2002 18:55:09
Vendor Name	: ZyXEL Communications Corp.
Product Model	: Prestige 650H
ZyNOS Code Model	: P650H-17 ATU-R
HTP Code Model	: HTP_P650HW V0.1
ZyNOS ROM address	: bfc20000
System Type	: 6
MAC Address	: 00A0C5777778
Default Country Code	: FF
Boot Module Debug Flag	: 01
RomFile Version	: 0D
RomFile Checksum	: bf5f
ZyNOS Checksum	: cde3
SNMP MIB level & OID	: 060102030405060708091011121314151617181920
Main Feature Bits	: 86
Other Feature Bits	:
	92 0D 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00-00 40 13 40 00 00

## 1. Default ROM File Value Setting

- Menu 1: General Setup

```
Menu 1 - General Setup

System Name= ?
Location=
Contact Person's Name=

Route IP= Yes
Bridge= No

Press ENTER to Confirm or ESC to Cancel:
```

- Menu 3 - Ethernet Setup

```
Menu 3 - Ethernet Setup

1. LAN Port Filter Setup
2. TCP/IP and DHCP Setup

5. Wireless LAN Setup1. LAN Port Filter Setup

Enter Menu Selection Number:
```

- Menu 3.1 - LAN Port Filter Setup

```
Menu 3.1 - LAN Port Filter Setup

Input Filter Sets:
  protocol filters=
  device filters=
Output Filter Sets:
  protocol filters=
  device filters=

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 3.2 - TCP/IP and DHCP Ethernet Setup**

```
Menu 3.2 - TCP/IP and DHCP Ethernet Setup

DHCP Setup
DHCP= Server
Client IP Pool Starting Address= 192.168.1.33
Size of Client IP Pool= 32
Primary DNS Server= 0.0.0.0
Secondary DNS Server= 0.0.0.0
Remote DHCP Server= N/A
TCP/IP Setup:
IP Address= 192.168.1.1
IP Subnet Mask= 255.255.255.0
RIP Direction= Both
Version= RIP-1
Multicast= None
IP Policies=
Edit IP Alias= No

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 4 - Internet Access Setup**

```
Menu 4 - Internet Access Setup

ISP's Name= MyISP
Encapsulation= PPPoE
Multiplexing= LLC-based
VPI #= 1
VCI #= 32
ATM QoS Type= UBR
Peak Cell Rate (PCR)= 0
Sustain Cell Rate (SCR)= 0
Maximum Burst Size (MBS)= 0
My Login= 1
My Password= *****
ENET ENCAP Gateway= N/A
IP Address Assignment= Dynamic
IP Address= N/A
Network Address Translation= SUA Only
Address Mapping Set= N/A

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 11 Remote Node Setup**

```

Menu 11 - Remote Node Setup

1. MyISP (ISP, SUA)
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Enter Node # to Edit:

```

- **Menu 11.1 Remote Node Profile**

```

Menu 11.1 - Remote Node Profile

Rem Node Name= MyISP          Route= IP
Active= Yes                   Bridge= No

Encapsulation= PPPoE          Edit IP/Bridge= No
Multiplexing= LLC-based       Edit ATM Options= No
Service Name= N/A

Incoming:                     Telco Option:
  Rem Login= N/A              Allocated Budget(min)= N/A
  Rem Password= N/A           Period(hr)= N/A
Outgoing:                     Schedule Sets= N/A
  My Login= N/A               Nailed-Up Connection= N/A
  My Password= N/A           Session Options:
  Authen= N/A                 Edit Filter Sets= No
                               Idle Timeout(sec)= N/A

Press ENTER to Confirm or ESC to Cancel:

```

- **Menu 11.3 Remote Node Network Layer Options**

```

Menu 11.3 - Remote Node Network Layer Options

IP Options:                   Bridge Options:
  IP Address Assignment = Dynamic  Ethernet Addr Timeout(min)= N/A
  Rem IP Addr = 0.0.0.0
  Rem Subnet Mask= 0.0.0.0
  My WAN Addr= N/A
  NAT= SUA Only
    Address Mapping Set= N/A
  Metric= 2
  Private= No
  RIP Direction= None
    Version= RIP-1
  Multicast= None
  IP Policies=

Enter here to CONFIRM or ESC to CANCEL:

```

- **Menu 11.5 Remote Node Filter**

```

Menu 11.5 - Remote Node Filter

Input Filter Sets:
  protocol filters= 12, 11
  device filters=
Output Filter Sets:
  protocol filters=
  device filters=

Enter here to CONFIRM or ESC to CANCEL:

```

- **Menu 11.6 - Remote Node ATM Layer Options**

```

Menu 11.6 - Remote Node ATM Layer Options

VPI/VCI (LLC-Multiplexing or PPP-Encapsulation)

VPI #= 1
VCI #= 32
ATM QoS Type= UBR
Peak Cell Rate (PCR)= 0
Sustain Cell Rate (SCR)= 0
Maximum Burst Size (MBS)= 0

Enter here to CONFIRM or ESC to CANCEL:

```

- **Menu 12 - Static Route Setup**

```

Menu 12 - Static Route Setup

1. IP Static Route
3. Bridge Static Route

Please enter selection:

```

- **Menu 12.1 IP Static Route Setup**

```

Menu 12.1 - IP Static Route Setup

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

Enter selection number:

```

- **Menu 12.3 Bridge Static Route Setup**

Menu 12.3 - Bridge Static Route Setup

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

Enter selection number:

- **Menu 15 - NAT Setup**

Menu 15 - NAT Setup

1. Address Mapping Sets  
2. NAT Server Sets

Enter Menu Selection Number:

- **Menu 15.1 - Address Mapping Sets**

Menu 15.1 - Address Mapping Sets

1.  
2.  
3.  
4.  
5.  
6.  
7.  
8.  
255. SUA (read only)

Enter Menu Selection Number:

- **Menu 15.2 - NAT Server Sets**

Menu 15.2 - NAT Server Sets

1. Server Set 1 (Used for SUA Only)  
2. Server Set 2  
3. Server Set 3  
4. Server Set 4  
5. Server Set 5  
6. Server Set 6  
7. Server Set 7  
8. Server Set 8  
9. Server Set 9  
10. Server Set 10

Enter Set Number to Edit:



- Menu 15.2.1 - NAT Server Setup (Used for SUA Only)

```

Menu 15.2.1 - NAT Server Setup (Used for SUA Only)

Rule      Start Port No.    End Port No.    IP Address
-----
1.      Default            Default          0.0.0.0
2.      0                  0               0.0.0.0
3.      0                  0               0.0.0.0
4.      0                  0               0.0.0.0
5.      0                  0               0.0.0.0
6.      0                  0               0.0.0.0
7.      0                  0               0.0.0.0
8.      0                  0               0.0.0.0
9.      0                  0               0.0.0.0
10.     0                  0               0.0.0.0
11.     0                  0               0.0.0.0
12.     0                  0               0.0.0.0

Press ENTER to Confirm or ESC to Cancel:

```

- Menu 21 Filter Set Configuration

```

Menu 21 - Filter Set Configuration

Filter Set #      Comments      Filter Set #      Comments
-----
1                _____      7                _____
2      NetBIOS_WAN      8                _____
3      NetBIOS_LAN      9                _____
4                _____      10               _____
5                _____      11      WebSet1
6                _____      12      WebSet2

Enter Filter Set Number to Configure= 0

Edit Comments= N/A

Press ENTER to Confirm or ESC to Cancel:

```

- Menu 21.2 Filter Rules Summary

```

Menu 21.2 - Filter Rules Summary

# A Type      Filter Rules      M m n
-----
1 Y IP      Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=137      N D N
2 Y IP      Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=138      N D N
3 Y IP      Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=139      N D N
4 Y IP      Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=137      N D N
5 Y IP      Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=138      N D N
6 Y IP      Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=139      N D F

```

- Menu 21.3 Filter Rules Summary

Menu 21.3 - Filter Rules Summary						
#	A	Type	Filter Rules			M m n
-	-	-	-	-	-	-
1	Y	IP	Pr=17, SA=0.0.0.0, SP=137, DA=0.0.0.0, DP=53			N D F
2	N					
3	N					
4	N					
5	N					
6	N					

- Menu 21.11 Filter Rules Summary

Menu 21.11 - Filter Rules Summary						
#	A	Type	Filter Rules			M m n
-	-	-	-	-	-	-
1	Y	IP	Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=161			N D N
2	Y	IP	Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=162			N D F
3	N					
4	N					
5	N					
6	N					

- Menu 21.12 Filter Rules Summary

Menu 21.12 - Filter Rules Summary						
#	A	Type	Filter Rules			M m n
-	-	-	-	-	-	-
1	Y	IP	Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=23			N D N
2	Y	IP	Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=21			N D N
3	Y	IP	Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=69			N D N
4	Y	IP	Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=80			N D N
5	N					
6	N					

- Menu 22 - SNMP Configuration:

Menu 22 - SNMP Configuration	
SNMP:	
Get Community= public	
Set Community= public	
Trusted Host= 0.0.0.0	
Trap:	
Community= public	
Destination= 0.0.0.0	
Press ENTER to Confirm or ESC to Cancel:	

- **Menu 23 – System Password:**

```

Menu 23 - System Password

Old Password= ?
New Password= ?
Retype to confirm= ?

Enter here to CONFIRM or ESC to CANCEL:

```

- **Menu 24.2.2: System Maintenance – Change Console Port Speed**

```

Menu 24.2.2 - System Maintenance - Change Console Port Speed

Console Port Speed: 9600

Press ENTER to Confirm or ESC to Cancel:

```

- **Menu 24.3: System Maintenance – UNIX Syslog**

```

Menu 24.3.2 - System Maintenance - UNIX Syslog

UNIX Syslog:
Active= No
Syslog IP Address= ?
Log Facility= Local 1

Types:
CDR= No
Packet triggered= No
Filter log= No
PPP log= No

Press ENTER to Confirm or ESC to Cancel:

```

- **Menu 24.10: System Maintenance – Time and Date Setting**

```

Menu 24.10 - System Maintenance - Time and Date Setting

Use Time Server when Bootup= None
Time Server Address= N/A

Current Time:                00 : 12 : 37
New Time (hh:mm:ss):         00 : 12 : 33

Current Date:                2000 - 01 - 01
New Date (yyyy-mm-dd):       2000 - 01 - 01

Time Zone= GMT

Daylight Saving= No
Start Date (mm-dd):          01 - 00
End Date (mm-dd):            01 - 00

Press ENTER to Confirm or ESC to Cancel:

```

- Menu 24.11: Remote Management -- Remote Management Control

```

Menu 24.11 - Remote Management Control

TELNET Server:
  Server Port = 23                Server Access = ALL
  Secured Client IP = 0.0.0.0

FTP Server:
  Server Port = 21                Server Access = ALL
  Secured Client IP = 0.0.0.0

Web Server:
  Server Port = 80                Server Access = ALL
  Secured Client IP = 0.0.0.0

Press ENTER to Confirm or ESC to Cancel:

```

- Menu 25 - IP Routing Policy Setup

```

Menu 25 - IP Routing Policy Setup

Policy Set #      Name
-----
1      _____
2      _____
3      _____
4      _____
5      _____
6      _____

Policy Set #      Name
-----
7      _____
8      _____
9      _____
10     _____
11     _____
12     _____

Enter Policy Set Number to Configure= 0

Edit Name= N/A

Press ENTER to Confirm or ESC to Cancel:

```

- Menu 26 - Schedule Setup

```

Menu 26 - Schedule Setup

Schedule Set #      Name
-----
1      AlwaysOn
2      _____
3      _____
4      _____
5      _____
6      _____

Schedule Set #      Name
-----
7      _____
8      _____
9      _____
10     _____
11     _____
12     _____

Enter Schedule Set Number to Configure= 0

Edit Name= N/A

Press ENTER to Confirm or ESC to Cancel:n

```

- Menu 26.1 - Schedule Setup

Menu 26.1 Schedule Set Setup

Active= Yes  
 Start Date(yyyy-mm-dd)= 2000 - 01 - 01  
 How Often= Weekly  
 Once:  
     Date(yyyy-mm-dd)= N/A  
 Weekdays:  
     Sunday= Yes  
     Monday= Yes  
     Tuesday= Yes  
     Wednesday= Yes  
     Thursday= Yes  
     Friday= Yes  
     Saturday= Yes  
 Start Time(hh:mm)= 00 : 00  
 Duration(hh:mm)= 23 : 59  
 Action= Forced On

Press ENTER to Confirm or ESC to Cancel:n

- ```

ras> sys view autoexec.net
  ppp ipcp compress off
  sys wdog sw on
  sys errctl 0
  sys trcl level 5
  sys trcl type 1180
  sys trcp cr 64 96
  sys trcl sw off
  sys trcp sw off
  ip tcp mss 512
  ip tcp limit 2
  ip tcp irtt 65000
  ip tcp window 2
  ip tcp ceiling 6000
  ip rip activate
  ip rip merge on
  ip icmp discovery enif0 off
  sys quick enable
  wan adsl rate off

```