



**Firmware Release Note**

**Prestige 645M-A1**  
**Standard Version**

**Release 3.40(KY.0)C0**

**Date:** April 11, 2003  
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## Prestige P645M-A1 3.40(KY.0)C0 Release Note

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Date: April 11, 2003

### Supported Platforms:

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Samsung 9847+9850+8951

### Versions:

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ZyNOS Version: V3.40(KY.0) | 4/11/2003 13:57:14

Bootbase Version: V1.06 | 2/24/2003 17:21:25

### Notes:

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Main features:

- ADSL

- Support Multi-Mode standard (ANSI T1.413, Issue 2 ; G.dmt(G.992.1); G.lite(G.992.2)).
- 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)
- Support VC-based and LLC-based multiplexing
- F4/F5 OAM

- Hardware

- One 10/100M Ethernet UTP ports for LAN connection

**2. Modem code version: SAMSUNG, DSP Version 109.030306**

**3. Modem Setting :**

ADSL Standard	Multi
MinSNRMargin	6 db
TCM mode	ON
FEC R=2 mode	OFF
Tx Power attn	Normal db

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## Known Issues:

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### Modification in 3.40(KY.0)b4 (March 31, 2003)

1. [BUG FIXED]

Symptom: Wrong Vendor ID display (first 3 Bytes) after link up.

Condition:

Solution: Fix this bug in s5N8950 driver.

2. [FEATURE ENHANCE]

Add CI CMD – “WAN ADSL DETXATTEN [1/2/4]” to decrease Tx power atten.

Ref : Tx Power attn(1,2,4): 1 : 0dB, 2 : -2dB, 4 : -4dB, (default 1).

### Modification in 3.40(KY.0)b3 (March 24, 2003)

1. [BUG FIXED]

Symptom: Configure one RN will clear the connection of other RNs.

Only link up/down or system reset can recover it.

Condition: In Multi-RN configuration.

Solution: Fix it in S8947 SAR driver.

2. [BUG FIXED]

Symptom: Configure two RN with the same VPI/VCI, the system will not display

“VPI# and VCI # is duplicated with another remote node” error msg.

Condition: In SMT 11 of pure Bridge type modem.

Solution: Fix the return value of remoteNodeCheck function to fix it.

3. [BUG FIXED]

Symptom: In the case that DSP goes to an endless loop state.

Condition:

Solution: Update DSP to 109.030306 to recover itself, and continue the ADSL operation from the beginning.

4. [BUG FIXED]

Symptom: In the case that Host interface problem occurs

Condition:

Solution: Update DSP to 109.030306 to recover itself, and continue the ADSL operation from the beginning.

### Modification in 3.40(KY.0)b2 (March 5, 2003)

1. [BUG FIXED]

Symptom: Sometimes the DSLAM will not receive packet because the TC of S5N8950 can't receive data from UTOPIA. This problem occurred when S5N8947 SAR recover function didn't execute.

Condition: Happens only when configuring multiple PVC in bridge mode and high link rate.

Solution: Change TC init function call of S5N8950 to the front of S5N8947 SAR recover function.

This change can make TC init execute before SAR init.

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