



**ZHONE  
CPE Software Release Notes**

Date: **November 19, 2009**

Software Release Version File Number: 6218-I2-X0Y\_03.02.14\_312011F00

Software Release Notes Document Number: 6218 -I2-x0x\_03.02.14\_AnnexA\_RN

Software Part Number: 820-03571-01

Introduction: This document describes detailed release information containing firmware version, model numbers affected, new features (if added), improvements, defects corrected, known issues.

**1. Product Information**

Model Numbers affected by this Release: 6218-I2-x0x Annex A

**2. Version and File Information**

- a. Release Version File Name: 6218-I2-X0Y\_03.02.14\_312011F00
- b. Release File Name: 6218-I2-X0Y\_03.02.14\_312011F00\_cfe\_fs\_kernel
- c. Firmware Version: 3-12-01-1F00.A2pB025l.d20m.paraenwl69s
- d. DSL Driver Version: A2pB025l.d20m
- e. USB Driver Version: NA
- f. WiFi Driver Version: 4.1.50.10.26.cpe1.2

**4. Change Log – Current release**

**a. Updates and enhancements**

- i. 3.00.28: Generate WEP Key by Passphrase.
- ii. 3.00.28: Show LAN MAC in Web's first page.
- iii. 3.00.28: Added DDNS services: DtDNS.com, NO-IP.com, Zoneedit.com.
- iv. 3.00.28: Added patch 17 of TR-069.
- v. 3.00.29: Added support for wlan CLI commands.
- vi. 3.00.31: New ADSL phy, A2pB022e.
- vii. 3.00.31: In Access Control List, added support for IP address mask entries.
- viii. 3.00.35: Use old ADSL phy and driver, A2pB019b10.d16m.(Special build)
- ix. 3.00.37: Use new ADSL phy, A2pB022g2.
- x. 3.00.37: Added support to edit the NATed IP address of WAN.
- xi. 3.00.37: Added support for Policy Route.
- xii. 3.00.37: Added CLI commands for supporting settings in Advanced Wireless page.
- xiii. 3.00.37: Allow editing of WAN Service Name.

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- xiv. 3.00.37: Added 'admin' login for WAN side telnet or ftp.
- xv. 3.00.38: Add CLI command of SNMP.
- xvi. 3.00.38: Add CLI command of RIP.
- xvii. 3.00.38: Add CLI command of System Log.
- xviii. 3.00.38: Change logo from "PARADYNE" to "ZHONE".
- xix. 3.00.38: Remove Policy Route support.
- xx. 3.00.38: Remove supporting to edit the NATed ip address of WAN.
- xxi. 3.00.39: Second IP address of LAN can be configure under Bridge mode.
- xxii. 3.00.40: New Zhone logo.
- xxiii. 3.00.41: Add CLI command : "policyrt".
- xxiv. 3.00.42: Add new option for "wan" CLI command : "--natpubip".
- xxv. 3.00.42: Change MTU setting from "iptables" to using PPPD LCP, so MTU maximum value of PPPOE on WEB GUI change to 1492.
- xxvi. 3.00.43: CLI command show policy protocol is different with GUI.
- xxvii. 3.00.43: New PPPoE frames filter option for PPPoE wan setting.
- xxviii. 3.00.43: Add MTU size setting for PPPoA wan setting.
- xxix. 3.00.43: Add description for how to setting ICMP services of wan side if no firewall enabled.
- xxx. 3.01.00: First release based on 3-10-02 code base.
- xxxi. 3.01.02: Change wireless default setting to disable.
- xxxii. 3.01.04: Added new CLI 'fdefault factory' to load factory default configuration.
- xxxiii. 3.01.07: Added PhyR supported DSL Phy firmware.
- xxxiv. 3.01.08: Added default NTP settings.
- xxxv. 3.02.00: first release based on 3-12.01 BRCM code.
- xxxvi. 3.02.00: UI checked with IE 6.0
- xxxvii. 3.02.00: UI checked with FireFox 3.0
- xxxviii. 3.02.00: UI checked with IE 7.0
- xxxix. 3.02.08: Add specific TR-69 parameter "IGD.DeviceConfig.X\_000147\_IspSaveEnable" that is equivalent to the "fdefault save" to enable command to save configuration as ISP config via TR-69 server
- xl. 3.02.08: Update TR-69 agent to support IGD.ManagementServer.ParameterKey, UploadRPC method.
- xli. 3.02.11: Add Custom TR-069 parameter: "IGD.DeviceConfig.X\_000147\_IspCfgRestore" that set te modem to restore to ISP default configuration.
- xlii. 3.02.11: Add syslog message when modem is updating firmware or configuration.
- xliiii. 3.02.11: Add SES Drop option in ADSL setup web page. Default is disabled.
- xliv. 3.02.11: Change GUI USER level access to Zhone defined level.
- xlv. 3.02.11: Wireless transmit power adjustment steps are in 10%.
- xlvi. 3.02.11: Added option to disable WiFi when DSL line is down.
- xlvii. 3.02.14: Upgrade to BRCM A2pB025I DSL phy fro better interop with older Conexant based DSLAMs.
- xlviii. 3.02.14: Add DHCP server LAN address range auto checking based on LAN IP address assignment.
- xliv. 3.02.14: Add CLI command "atm operate intf -stats" to show QoS queue status.

**b. Bugs Fixed:**

- i. 3.00.28: Fixed DNS settings cannot be saved to flash.

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- ii. 3.00.28: Fixed after using wizard to turn off wlan, wlan LED will turn on after unit is reboot.
- iii. 3.00.28: Fixed console showed "cat:/proc/net/ip\_clear\_dnscontrack: no such file or directory".
- iv. 3.00.28: Incomplete frame in Port Mapping page.
- v. 3.00.28: Fixed "There is no item to be removed" in Port Trigger page.
- vi. 3.00.28: Fixed Default Gateway configuration on PPP WAN setup page.
- vii. 3.00.28: Completed descriptions on "Add Dynamic DNS" info page.
- viii. 3.00.28: Fixed incorrect order on interface numbering in the LAN Statistic page.
- ix. 3.00.28: Added the "ADD" button in Port Trigger page.
- x. 3.00.28: Fixed incorrect port naming in Ethernet Mode page.
- xi. 3.00.28: Fixed Vlan didn't work when pinging the same remote server with WAN in Bridge mode.
- xii. 3.00.28: Fixed modem cannot be restored to default after Ethernet Mode had been modified.
- xiii. 3.00.31: Fixed the inability to create WAN PVC by CLI when ADSL status is not in 'Showtime' mode.
- xiv. 3.00.31: Fixed the lost of "fdefault save" configuration when modem's reset button was pressed twice for 15 seconds or more.
- xv. 3.00.31: Fixed. If SSID entry has 'space' key, it will be modified to empty after the unit had been reboot.
- xvi. 3.00.35: Fixed traffic failure when 802.1Q VLAN tag of WAN was enabled.
- xvii. 3.00.35: Fixed IPSec add/edit page did not accept 1.1.1.0 when select subnet of remote/local IP address.
- xviii. 3.00.35: Fixed maximum length of port entry in QoS setting to 11 so that a port range can be entered.
- xix. 3.00.37: Fixed incorrect 54g rate in CLI.
- xx. 3.00.37: Fixed configurations mismatch for GUI, CLI and Telnet.
- xxi. 3.00.37: Fixed wrong spelling of WAN CLI command.
- xxii. 3.00.37: Fixed different user level for Remote WAN Access.
- xxiii. 3.00.43: Fixed default gateway will lost sometimes when using DHCP client with MER.
- xxiv. 3.00.43: Fixed policy route CLI and GUI not sync and no need to reboot now.
- xxv. 3.00.43: Fixed CPE will have two default gateways if change default gateway of CO side.
- xxvi. 3.00.44: Fixed default gateway will lost sometimes when using DHCP client with MER.
- xxvii. 3.00.44: Fixed MTU/multiple PVC issues: When add 1 MER and 1 PPPoE PVC, PPPoE PVC will prevent MER PVC packets with size 1460 from forwarding to LAN.
- xxviii. 3.01.00: Fixed default configuration loss.
- xxix. 3.01.00: Fixed system Log config 'log level' reset to default after reboot.
- xxx. 3.01.01: Fixed unit cannot be reboot in sh mode when it became DHCP client.
- xxxi. 3.01.01: Fixed HTTPD crashed caused by pressing the 'remove' and then 'edit' buttons quickly in the IPSec GUI page.
- xxxii. 3.01.01: Fixed pre-shared key max length problem.
- xxxiii. 3.01.01: Fixed QoS classification page Class ID option subnet mask setting.
- xxxiv. 3.01.01: Fixed system crash after downgraded to previous old code base.
- xxxv. 3.01.02: Fixed PPPoE/PPPoA MTU issues.
- xxxvi. 3.01.02: Fixed tr60c – ACS redirect did not work.

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Software Release Note for 6218-I2-x0x Release 03.02.14

- xxxvii. 3.01.02: Fixed tr69c – Instance number issues.
- xxxviii. 3.01.02: Fixed Policy route entry cannot be removed via GUI.
- xxxix. 3.01.02: Fixed wrong Customer Name displayed in CLI.
  - xl. 3.01.02: Fixed HTTPS crashed when the length of password entered is over 16.
  - xli. 3.01.02: Fixed default interfaces of port mapping appeared as “nas\_0\_0\_0”.
  - xl.ii. 3.01.02: Fixed CLI command did not block invalid syslog server IP address.
  - xl.iii. 3.01.02: Fixed user was blocked by Parental Control rule even Internet Timer was disabled.
  - xl.iiii. 3.01.02: Fixed DHCP client table did not display correctly.
  - xl.v. 3.01.02: Fixed cannot execute ‘reboot’ via SSH.
  - xl.vi. 3.01.02: Fixed Dynamic DNS page didn’t refresh completely.
  - xl.vii. 3.01.02: Fixed firmware upgrade via tftp remotely failed.
  - xl.viii. 3.01.02: Fixed tr69c – allow wireless to apply current settings to CFM.
  - xl.ix. 3.01.04: Fixed reset to default didn’t go back to Main page in Mozilla Firefox.
    - I. 3.01.04: Fixed expired DHCP clients weren’t removed from the DHCP info page.
    - li. 3.01.04: Fixed tr69c – Connection Request Authentication status was displayed incorrectly.
    - lii. 3.01.04: Fixed tr69c – connectreq CLI showed wrong status.
    - liiii. 3.01.04: Fixed do\_page\_fault occurred after ‘policyrt delete’ CLI was entered without rule name.
    - liv. 3.01.04: Fixed “Test your Wireless Connection” showed Pass when wireless function has been disabled.
    - lv. 3.01.05: Fixed tr69c – missing parameter: InternetGatewayDevice.WANDevice.1.WANConnectionDevice.2.WANPPPoEConnection.3.MACAddress.
    - lvi. 3.01.07: Fixed tr69c – current time in Inform has an extra ‘0’ at the end.
    - lvii. 3.01.08: Fixed failure in sending Bootstrap when management server URL is set from the ACS.
  - lviii. 3.02.00: Fixed TCP packet lost on 3-10-02 BRCM code.
  - lix. 3.02.00: Fixed unable to upgrade FW or restore configuration with FireFox 3.0.
  - lx. 3.02.00: Fixed the syslog level stayed in debugging when mode is remote.
  - lx.i. 3.02.01: Fixed UDP packets duplicated when two STB were connected via external switch on to one LAN port.
  - lx.ii. 3.02.02: Fixed DSL Output Power values are different between GUI and CLI.
  - lx.iii. 3.02.02: Fixed unable to process ICMP unreachable for esp protocol issue.
  - lx.iv. 3.02.03: Fixed Virtual Server filed does not accept ‘space’ entry.
  - lx.v. 3.02.03: Fixed DHCP server always provide two DNS addresses even when one of them is specified as “blank”.
  - lx.vi. 3.02.03: Fixed Port Mapping configuration, “groupKey” & “groupStatus” in old code not compatible with new code.
  - lx.vii. 3.02.03: Import tr-069 fixes from 3-10-02 code to 3-12-01 code.
  - lx.viii. 3.02.04: Disallow IGMPv1/2 membership report to be forward between LAN ports.
  - lx.ix. 3.02.04: Fixed SNMP MIB values reversed for “adslAtucCurrAttainableRate” and “adslAturCurrAttainableRate”.
  - lx.x. 3.02.05: Fix DHCP server subnet mask always use 255.255.255.0 and does not allow the same in LAN IP Mask
  - lx.xi. 3.02.07: When using WAN DHCP Client protocol, after DSL reconnect, CPE will use old IP Address to reply ICMP request
  - lx.xii. 3.02.07: Change Vendor ID to use “Zhone” string in WAN DHCP client protocol

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option 125, SNMP and TR-69

- lxxiii.** 3.02.07: Change “Software Version” to use Zhone version number in SNMP and TR-69
- lxxiv.** 3.02.07: Change “Serial Number” to reference CPE NVRAM setting in SNMP and TR-69
- lxxv.** 3.02.07: Fix the following Web pages to allow “space” characters:
  - IP Filtering
    - Outgoing (Name)
    - Incoming (Name)
  - Parental Control (Username)
  - QoS
    - QoS classification (Traffic Class Name)
  - SNMP (Except IP)
  - Wireless security (Pre-Share key)
- lxxvi.** 3.02.07: Add new timezhone “St Lucia, Lapz”
- lxxvii.** 3.02.07: Modify Timezone “Caracas, La Paz” to “Caracas -4 :30”
- lxxviii.** Fix SNMP adslAtucChanCurrTxRate and adslAturChanCurrTxRate to match the Web interface
- lxxix.** 3.02.07: Change ADSL EOC « Serial Number » from BCM rule to use the serial number of the modem
- lxxx.** 3.02.08: Fix bug that crash the modem when no value is set when changing QoS Class, OCR, SCR and MBS via TR-69.
- lxxxi.** 3.02.08: Fix Javascript error on GE Web when editing existing WAN rule
- lxxxii.** 3.02.08 Fix bug where linking to error page when go from Setup Wireless Basic page to Quick Setup page.
- lxxxiii.** 3.02.11: Fix WAN MAC changed to 02:10:18:10:10:01 randomly.
- lxxxiv.** 3.02.11: Fix when using P2P application ARES, with heavy download for ~15 minutes, traffic will pause.
- lxxxv.** 3.02.11: Fix G.lite interop problem by changing DSL Phy to A2pB025f.
- lxxxvi.** 3.02.11: Remove “USBLAN:1” string in TR-069 messages.
- lxxxvii.** 3.02.11: Fix unit’s configuration restored to default after ACS modified the TR-069 connection info and erroneously set wireless WEP to enable without entering a key, resulting a corrupted configuration.
- lxxxviii.** 3.02.14: Fix UPnP bug that caused Xbox Live connection problems.
- lxxxix.** 3.02.14: Change Xbox Live support option from Virtual Server to Port Triggering.

**5. Limitations**

- a. The PPP redirect function of close browser after submit is only testing with IE6 and FireFox1.5
- b. IP contrack max table size is 2048
- c. ATM queue is 200

**6. Known Issues**

- a. Upgrading from 03.00.44 and previous to any newer releases may not preserve previous configuration settings and the unit may not function properly. A reset to factory default and configuration rebuild may be necessary.
- b. Due to a bug fix of the Ethernet switch IC function, downgrading from 03.02.05 or newer

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releases to any previous releases requires a power toggle to reset the unit to proper operating condition.

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