

Zhone Firmware/Software/Hardware Release Notes

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Release Number: 02.05.23	Date: August 25, 2010			
Release Type: GA Release	Country Type: N/A			
Release History	Affected Product Models			
Release	Type	Date	Model	Priority
BS2600_ALL_020523	Released	August 25, 2010	26xx / 42xx	Major
BS2600_ALL_020522	Released	April 30, 2010	26xx / 42xx	Minor
BS2600_ALL_020521	Released	January 27, 2010	26xx / 42xx	Minor
BS2600_ALL_020520	Released	August 14, 2009	26xx / 42xx	Minor
BS2600_ALL_020517	Released	April 30, 2009	26xx / 42xx	Minor
BS2600_ALL_020516	Released	March 16, 2009	26xx / 42xx	Minor
BS2600_ALL_020515	Released	July 15, 2008	26xx / 42xx	Major
BS2600_ALL_020513	Released	June 12, 2008	26xx / 42xx	Minor
BS2600_ALL_020511	Released	November 12, 2007	26xx / 42xx	Minor
BS2600_ALL_020507	Released	July 25, 2007	26xx / 42xx	Minor
BS2600_ALL_020505	Released	May 17, 2007	26xx / 42xx	Minor
BS2600_ALL_020501	Released	January 23, 2007	26xx / 42xx	Minor

IMPORTANT NOTE: Default Uplink Functionality Change in 02.05.23

Please note that beginning with release 02.05.23, there has been a functional change to the default configuration associated with the eth2 and eth3 ethernet ports.

Starting with the 02.05.23 release, eth will no longer (by default) be a member VLAN 1 and as such it will not work as either an Uplink or a Subtended Ethernet port until it is added back into a VLAN.

Therefore, if you wish to use eth2 as the system's Uplink after upgrading to 02.05.23 (or higher), you will need to change the Uplink from the default value of eth3 to eth2 and then add eth2 into the proper VLANs.

If you are upgrading from an earlier release, and you currently have eth2 in VLAN 1 it will not be removed from VLAN 1 during the upgrade and therefore it will continue to operate correctly as an uplink port. Nevertheless, it is strongly recommended that if you are using eth2 as your Uplink, you should ensure that the Uplink setting on the system is set specifically set to eth2.

Resolved Customer Issues in 02.05.23:

Issue Identifier	Issue Description
84990	4200: DSLAM hangs approximately every 30 days Customer is reporting a problem where the DSLAM stops handing out DHCP requests; if the DSLAM is not manually rebooted, the user will eventually lose management access to the DSLAM.
83033	DHCP Messages Cause Broadcast storm in network Customer reported a broadcast storm was created when two 2600 factory default DSLAMs were connected to the same switch and DHCP requests with the broadcast flag enabled were injected into the switch.
67818	End user unable to obtain an DHCP address on the 4229 DSLAM Reports of issues where end-users (behind a modem on the DSL ports) would be unable to renew a DHCP address.
58064 61123 66726	DSLAM crash - Error Log NMI Interrupt message In a system that was experiencing the DHCP issue resolved in issue 84990, the system would eventually reboot with an NMI trap indicator in the error_log.

Model to Shipping Software Level Support – 26xx/42xx.

The following table lists the currently shipping models and associated loads for the 2600 and 4200 family.

Model	Software		Model	Software		Model	Software	
2611 – ReachDSL GigE uplink								
2611-A2-420	2.05.23		2611-A2-420-0HY	2.05.23		2611-A2-420-0JP	2.05.15	
2611-A2-424	2.05.23		2611-A2-425	2.05.23		2611-A2-430	2.05.23	
2611-A2-430-0HY	2.05.23		2611-A2-433	2.05.23		2611-A2-434	2.05.23	
2611-A2-435	2.05.23							
2621 – ADSL2+ GigE uplink								
2621-A3-420	2.05.23		2621-A3-423	2.05.23		2621-A3-423-0HY	2.05.23	
2621-A3-424	2.05.23		2621-A3-425	2.05.23		2621-A3-430	2.05.23	
2621-A3-433	2.05.23		2621-A3-433-0HY	2.05.23		2621-A3-434	2.05.23	
2621-A3-435	2.05.23		2621-A3-430-0MT	2.04.25				
2631 – ADSL2+ Annex B GigE uplink								
2631-A3-425	2.05.23		2631-A3-435	2.05.23				
Model	Software		Model	Software		Model	Software	
2671 – SHDSL GigE uplink								
2671-A2-420	2.05.23		2671-A2-420-0HY	2.05.23		2671-A2-424	2.05.23	
2671-A2-425	2.05.23							
2674 – SHDSL T1/E1 MLPPP								
2674-A1-420	2.05.23							

Model	Software		Model	Software		Model	Software	
4211 – ReachDSL ATM T1								
4211-A1-530	2.03.06							
4213 – ReachDSL T1/E1 IMA								
4213-A1-522	2.03.06		4213-A1-530	2.03.06		4213-A1-532	2.03.06	
4214 – ReachDSL T1/E1 MLPPP								
4214-A1-530	2.05.23		4214-A1-531	2.05.23				
4219 – ReachDSL GigE uplink								
4219-A2-520	2.05.23		4219-A2-530	2.05.23		4219-A2-531	2.05.23	
4223 – ADSL T1/E1 IMA								
4223-A1-530	2.03.06		4223-A1-530-0VC	2.03.06		4223-A1-532	2.03.06	
4224 – ADSL2+ T1/E1 MLPPP								
4224-A1-522	2.05.23		4224-A1-530	2.05.23		4224-A1-531	2.05.23	
4229 – ADSL2+ GigE uplink								
4229-A3-520	2.05.23		4229-A3-520-0HY	2.05.23		4229-A3-530	2.05.23	
4229-A3-530-OMT	2.04.25		4229-A3-531	2.05.23				
4239 – ADSL2+ Annex B GigE uplink								
4239-A3-520	2.05.23		4239-A3-532	2.05.23				
4279 – SHDSL GigE uplink								
4279-A2-520	2.05.23		4279-A2-520-0HY	2.05.23				

Release Structure and Identification

Filename	Target Destination
BS2600_REVA_020523.bin	Binary for units with Wintegra Revision A
BS2600_ALL_020523.bin	Management Download – combined boot and application load.

Note: DSLAMs running firmware versions **prior to 2.1.0** will need to be upgraded with file **BS2600_REVA_020523.bin** first before upgrading to later builds. Otherwise the Download will fail.

DSLAMs with firmware **2.1.0 or later** use file **BS2600_ALL_020523.bin**

This build may upgrade the unit's bootrom. Customers should not power cycle the unit while a firmware switch is in progress. The bootrom update may take 5-10 minutes.

System Co-Requirements in 02.05.23

Model	Description	Incorporated Code Base
4214-A1-xxx / 4219-A2-xxx	24 Port ReachDSL	Reach DSP Release code 02040
2674-A1-xxx / 4279-A2-xxx	24 Port SHDSLbis Annex A	Infineon DSP Release 0.9.3
4224-A1-xxx / 4229-A3-xxx	24 Port ADSLS2+ Annex A	Broadcom DSP Release 06.04.08
4239-A3-xxx	24 Port ADSLS2+ Annex B	Broadcom DSP Release 06.04.08