

Release Notes

7800NXL, 7800VDPX & 7800VDOX

2.31 – 30th April 2013

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The whole system has been upgraded to latest Broadcom OS, including the Boot Code. It's essential that you reset to factory settings after upgrading.

Please also note that it will take longer to upgrade fw than before.

In future you'll need to upgrade to this firmware first if current version is older than 2.31, this is to update the Boot Code. You can then update to newer versions.

If you don't wish to reset to factory then please remain with current version.

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Enhancements / Fixes with new Broadcom OS

- 1> Bi-directional TCP Throughput improvements for low rate DSL-WAN links.
- 2> LAN to Wireless-LAN throughput improvement
- 3> Wireless driver upgraded
- 4> Add initial support of WLAN HotSpot2.0 support
- 5> FAP Traffic Management Enhancement
- 4> ADSL DMT driver/SAR upgraded
- 5> Fixed a memory leakage in UPnP which might leads upnp crash
- 6> System crashes under high CPU load due to duplicate buffer allocation in FAP
- 7> Solve the Annex-M IOT issue that might not be sync up.
- 8> Solve the ADSL throughput is decreased if EWAN is configured.
- 9> Solve the browse response time is long after heavy traffic.
- 10> Support QoS Port Shaping at the Ethernet Interface.

Enhancements from Billion

1) VoIP:

- 1-1 PSTN now supports DND.
- 1-2 Increased the max # of PSTN Dial Plans to 12.
- 1-3 Show codec usage in syslog.
- 1-4 Improved PSTN Dial Plan functionality
- 1-5 SIP & RTSP DSCP Marking settings added for VoIP QoS.
- 1-6 Support for up to 5* different dial tones.
- 1-7 Support for up to 5* different ring tone for the default ring tone. User can also set different ring tones for calling party as defined in the "Phone Book". If the calling party is not defined, the ring tone is the default one.
(*), "locale" in the list means that this follows locale selection.
- 1-8 Duplicate VoIP Dial Plan rule checking removed.
- 1-9 Support for Call Blocking.

2) Support for Email Account Verification

- 3) Support for ZTE (MF652, MF821, MF823), T&W (WU520, WU260), Huawei (K3772) dongles.

- 4) Duplicate rule checking removed – support for different time schedule rules on the Virtual Server, IP Filtering, ..
- 5) Show Disabled field in the IP Filtering, QoS and Virtual Service list tables.
- 6) Added checking rule to prevent IP Address conflict while adding new Interface Group
- 7) With WAN IPoE mode, added MAC Spoofing setting for some old cable modems.
- 8) With WAN IPoE mode, added MTU setting.
- 9) Show Default WAN IP on the home page.
- 10) Support non-TCP/UDP Protocol settings (ICMP, IP, GRE, RAW, ..) on the Virtual Server page.
- 11) Add Exception rules for NAT & DMZ. User can set the IP (range) for Allow or Block NAT/DMZ access.

Bug fixes

- 1) Restored mibs for ADSL SNR and attenuation that were available before v2.24b.
- 2) The bandwidth usage page didn't show up on IE9 if the user is non-admin (ie. support or user)
- 3) QoS didn't work correctly under EWAN PPPoE or PPPoA.
- 4) The LOG feature on the "IP Filter Incoming" page didn't work.
- 5) The user/support account can't browse Bandwidth Usage using IE9
- 6) Fixed WLAN statistics information not being correct on Status/Statistics and Bandwidth Usage page.
- 7) Fixed issue whereby the system might hang if user deletes Virtual Server rule when the WAN Interface is IPoE.
- 8) Fixed issue whereby VoIP account might fail or be hard to register with some specific accounts.
- 9) Fix issue whereby the USB disk name might be different after un-mounting and mounting, the created user can't access the USB disk. (Note: user needs to issue "Unmount" on the WEB page before unplugging USB disk. This will ensure disk data integrity.)
- 10) Fixed issue whereby PPPoE is hard to connect with some ISPs that have more than 1 connection server. (like TPG)
- 11) Fixed issue whereby DLAN might not be accessible.

- 12) Fixed issue whereby the VoIP status should reset instead of staying registered if VoIP stops.
- 13) Disabled MLD Snooping by default to prevent older Apple Mac's from hanging.
- 14) Fixed issue whereby VoIP might not work after accessing A/M or A/M can't work correctly.
- 15) Fixed issue whereby TR069 ACS can't access the CPE.



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