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/ SOFTWARE RELEASE NOTES

Release 2.6.1.8   October 2018

Relevant Models:

SR516ac

SR555ac

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Software Revision Summary

Version 2.6.1.7 is released in support only for the SR360n, SR501, SR505n, SR506n, SR510n, SR512nm, SR515ac, SR516ac, SR552n, SR555ac, SR570ac, and SR700ac gateway models.

SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
2.6.1.8	A2pG039s.d26u - SR320n and SR360n A2pvI042r.d26u - SR501 and SR506n A2pv6F039x5.d26u - SR505n, SR510n, SR512nm, SR515ac, SR516ac, SR552n, and SR700ac A2pvfbH043r.d26u - SR555ac and SR570ac	1.0.38-118.3	7.14.164.23	10/15/18
2.6.1.7	A2pG039s.d26u - SR320n and SR360n A2pvI042r.d26u - SR501 and SR506n A2pv6F039x5.d26u - SR505n, SR510n, SR512nm, SR515ac, SR516ac, SR552n, and SR700ac A2pvfbH043o.d26u - SR555ac and SR570ac	1.0.38-118.3	7.14.164.23	9/28/18
2.6.1.6	A2pG039s.d26u - SR320n and SR360n A2pvI042r.d26u - SR501 and SR506n A2pv6F039x5.d26u - SR505n, SR510n, SR512nm, SR515ac, SR516ac, SR552n, and SR700ac A2pvfbH043o.d26u - SR555ac and SR570ac	1.0.38-118.3	7.14.164.23	6/29/18
2.6.1.5	A2pv6F039v.d26n (SR505n/SR510n/SR512nm/SR515ac/SR552n/SR700ac) A2pvI042j1.d26n (SR501/SR506n) A2pG039s.d26n (SR360n)	1.0.38-118.3	7.14.164.23	3/22/18

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SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
2.6.1.4	A2pv6F039v.d26n (SR505n/SR510n/SR512nm/SR515ac/SR552n/SR700ac) A2pvl042j1.d26n (SR501/SR506n) A2pG039s.d26n (SR360n)	1.0.38-118.3	7.14.164.19	9/29/17
2.6.1.3	A2pv6F039v.d26n (SR512nm/SR515ac/SR700ac) A2pvl042j1.d26n (SR501/SR506n)	1.0.38-118.3	7.14.131.1608	3/31/17
2.6.1.2	A2pv6F039v.d26k1	1.0.38-118.3	7.14.131.1608	12/9/16
2.6.1.1	A2pv6F039v.d26k1	1.0.38-118.3	7.14.131.1608	6/27/16
2.5.0.11	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	5/25/16
2.5.0.10	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	12/22/15
2.5.0.9	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	10/1/15

SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
2.5.0.8	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	6/26/15
2.5.0.7	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	5/19/15
2.5.0.6	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	12/30/14
2.5.0.5	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	10/10/14
2.5.0.4	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	7/7/14

SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
2.5.0.3	A2pG038i.d25d (SR360n) A2pD038f.d25d (SR350N) A2pv6C039b.d25d (SR500N) A2pv6F039j.d25d (SR505n/SR510n) A2pvbF039j.d25d (SR550n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	6/6/14
2.5.0.2	A2pG038i.d25 (SR360n) A2pD038f.d25 (SR350N) A2pv6C039b.d25 (SR500N) A2pv6F039b.d25 (SR505n/SR510n) A2pvbF038n.d25 (SR550n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	4/18/14
2.5.0.1	A2pD038f.d24m (SR350N) A2pG038i.d24m (SR360n) A2pv6C039b.d24m (SR500N) A2pv6F039b.d24m (SR505n/SR510n) A2pvbF038n.d24m (SR550n)	1.0.38-114.70	6.30.102.7.cpe4.12L08.0	12/19/13
2.4.4.6	A2pD035j.d24a (SR350N) A2pv6C035j.d24a (SR500N) A2pv6F037a.d24a (SR505n)	1.0.38-112.70	5.100.138.2001.cpe4.12L04.3	8/26/2013
2.4.4.5	A2pD035j.d24a (SR350N) A2pv6C035j.d24a (SR500N) A2pv6F037a.d24a (SR505n)	1.0.38-112.70	5.100.138.2001.cpe4.12L04.3	6/5/2013
2.4.4.4	A2pD035j.d24a (SR350N) A2pv6C035j.d24a (SR500N)	1.0.37-106.24	5.100.138.2001.cpe4.12L04.3	11/12/2012
2.4.4.3	A2pD035j.d24a (SR350N) A2pv6C035j.d24a (SR500N)	1.0.37-106.24	5.100.138.2001.cpe4.12L04.3	10/11/2012
2.4.4.2	A2pD035j.d24a (SR350N) A2pv6C035j.d24a (SR500N)	1.0.37-106.24	5.100.138.2001.cpe4.12L04.3	7/30/2012
2.4.3.7	A2pD030n.d23c (SR350N) A2pv6C032a.d23c (SR500N)	1.0.37-106.24	5.60.120.11.cpe4.06L.03.8	5/31/2012

SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
2.4.3.6	A2pD030n.d23c (SR350N)	1.0.37-106.24	5.60.120.11.cpe4.06L.03.8	4/26/2012
	A2pv6C032a.d23c (SR500N)			

Release 2.6.1.8

The following new improvements and fixes are included in the 2.6.1.8 release.

Improvements

Ref #	Description
RB-3004	Updated DSL Phy drivers to latest Broadcom release for the SR555ac and SR570ac.

Changes and Fixes

The following changes and fixes were included in the 2.6.1.8 release.

Ref #	Description
RB-2978	Addressed issue with the SR555ac reset button functionality.
RB-3009	Addressed issue with L2TP packets causing the modem to panic and reboot.

Release 2.6.1.7

The following new improvements and fixes are included in the 2.6.1.7 release.

New Features

Ref #	Description
RB-2720	Added support for DNS over TCP proxy.
RB-2933	Added capability for Bi-Directional client infrastructure for future Analytic features.
RB-2952	Added read-only status fields to the SHA data model for future enhancements to Analytics.
RB-2981	Added bi-directional client command to allow server to change radio channel and bandwidth for future SHA capabilities.

Improvements

Ref #	Description
RB-2989	Added capability to view Serial Number and Vendor SW Version from SHA via DM.

Changes and Fixes

The following changes and fixes were included in the 2.6.1.7 release.

Ref #	Description
RB-2727	Addressed issue with DMZ not functioning for primary WAN after migration from 2.5.0.14.
RB-2879	Addressed issue with some Analytics data not displaying properly when a modem is configured with two WAN services.
RB-2882	Addressed issue Dual WAN access issue when PPPoE is the Primary WAN service.
RB-2900	Addressed issue with MTU size not saving while editing WAN Service.
RB-2908	Addressed issue with WAN service displaying MAC address without SmartRG OUI.
RB-2930	Addressed issue with Incoming Filter is not working on the SR555ac and the SR570ac.
RB-2941	Addressed issue with PPP connection not re-connecting on the SR570ac.
RB-2942	Enhanced default settings by enabling DSL modulations for our default configuration.
RB-2949	Addressed issue with WiFi button not working on the SR360n.
RB-2963	Addressed issue with the SR55ac incrementing MAC values within the vendor portion rather than the last octet.
RB-2980	Addressed issue with SHA failing to re-connect if connection was dropped.
RB-2994	Addressed issue with error getting WAN type during startup.
RB-3003	Addressed issue with Syslog error messages accumulating due to the number of IPv6 addresses.

Compatibility/System Notes

IGMP Snooping Definitions:

- Standard Mode - in standard mode, if multicast traffic is present on a LAN port but no membership report (join) was received, the traffic will flood to all ports. If a membership report was received, multicast traffic will be forwarded only to the LAN ports on which the IGMP membership reports arrived.
- Blocking Mode - in blocking mode, multicast traffic will be blocked from all ports until such time a report is received.

If IGMP snooping is disabled, the CPE floods multicast packets to all its ports. IGMP Snooping is disabled by default.

This software supports Physical Layer Retransmission (PhyR) which operates at layer 1 and uses a mechanism similar to TCP where retransmits occur if errors are detected. This results in high effective INP with minimal interleave delay. Sync rate increases from 2 to 4Mbps have been reported in addition to the line being more robust and resistant to noise/interference generated from treadmills, ceiling fans, etc. PhyR is disabled by default but can be enabled in the DSL menu.

Wireless is enabled by default with SSID = SmartRGxxxx (x = last four characters of base MAC). Wireless security is Mixed WPA2/WPA-PSK, a randomized 10-digit hexadecimal passphrase, Group Rekey interval = 0 and encryption = AES.

Included PBCA Features:

- Control Panel
- Content Filtering
- Time Blocking
- Captive Portal
- Connect and Surf
- STUN and UDP Connection Request
- Advanced Connected Device Monitor
- Bandwidth Monitor
- WiFi Performance Monitor
- Dynamic Content Filtering

Prior FW Releases

Contact SmartRG support for the release notes for prior firmware releases.

Firmware Upgrade Procedure

Warning: If upgrading from 2.5.0.x on models SR360n, SR505n, SR510n, and SR552n, prior to upgrading to 2.6.1.7 or later, these models must be running version 2.5.0.14. Upgrading from earlier revisions is not supported.

Upgrade Firmware

1. Open a web browser, connect to 192.168.1.1/admin, and login with username admin and the password assigned to your device.
2. Click **Management** > **Update Software** and click the **Browse** button.
3. Locate and select the appropriate firmware image.
4. Select the **Update Software** Button. The image will be uploaded to the device and the device will automatically reboot upon completion.

Verify Version

1. Press the **F5** Key to refresh your browser and reconnect to 192.168.1.1/admin to log back into the device. The Device Info > Summary page appears.
2. Verify the version information in the **Software Version** field.

Restore Defaults

1. In the left menu, click **Management**.
2. Click **Settings** > **Restore Default**.
3. Follow the instructions on the page.

Custom Defaults

The Custom Defaults feature allows the importation of a set of defaults to the gateway that will be restored when the Restore Default Settings is activated. This set of defaults can be defined and updated via the GUI, CLI or CWMP support of the gateway.

To create a set of Custom Default settings:

1. Configure the gateway as required.

2. On the Backup page, click the **Backup Running Configuration** button to upload a configuration file from the gateway.

3. After the file is uploaded, go to the Update Software page, select the file, and click the **Update Working Settings** button to download the file to the gateway. The gateway will use the downloaded settings as the custom default whenever the Restore Default operation is invoked.

Technical Support

CPE Issues

Submit a ticket using our Customer Portal at https://smartrg.atlassian.net.

RMAs

Open a Customer Portal ticket with description "RMA" and attach the RMA Device spreadsheet which includes Model, MAC address, Issue, and Firmware version. You can find the spreadsheet in the Customer Portal on the RMA instructions page.

Firmware

Login to the Customer Portal to download firmware.

Additional Contact Info

Phone: +1 360 859 1780 and press Option 4.

Hours: 5am –5pm PST (UTC-0800)

Email: support@smartrg.com

Revision History

VERSION	DATE	AUTHOR	DESCRIPTION
1.7	10/15/18	Kurt Diekemper	Updated with 2.6.1.8 information.
1.6	9/28/18	Kurt Diekemper	Updated with 2.6.1.7 information.
1.5	6/29/2018	Kurt Diekemper	Updated with 2.6.1.6 information.
1.4	3/29/2018	Kurt Diekemper	Updated with 2.6.1.5 information.
1.3	9/29/2017	Kurt Diekemper	Updated with 2.6.1.4 information.
1.2	3/31/2017	Kurt Diekemper	Updated to include LTE feature and other changes.
1.1	5/26/2014	David La Cagnina	Layout modified
1.0	12/30/2014	Adam Fox	Initial document