SMART/RG®

forward thinking

/ SOFTWARE RELEASE NOTES

Release 2.6.1.5   March 2018

Relevant Models:

SR360n

SR501

SR505n

SR506n

SR510n

SR512nm

SR515ac

SR516ac

SR552n

SR700ac

SMART/RG®
forward thinking

Table of Contents

Software Revision Summary

Version 2.6.1.5 is released in support only for the SR360n, SR501, SR505n, SR506n, SR510n, SR512nm, SR515ac, SR516ac, SR552n, and SR700ac.

SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
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
2.6.1.4	A2pv6F039v.d26n (SR505n/SR510n/SR512nm/SR515ac/SR552n/SR700ac) A2pvI042j1.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) A2pvI042j1.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

SMART/RG®

forward thinking

SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
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
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

SMART/RG®
forward thinking

SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
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
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

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

New Features and Improvements

The following new features and improvements are included in this release.

New Features

None.

Improvements

Ref #	Description
RB-2688	Improvement for the SR700ac in which writing the APN from the config to the modem would be conditioned on a flag.
RB-2720	Add support for DNS over TCP proxy.
RB-2740	Enhancement providing the ability to see xDSL sync time and counter in GUI.
RB-2760	Enable 5GHz DFS support on the SR515ac.
RB-2774	Updated LED functionality on the SR700ac making LTE LED functional, INET LED remain ON if a wired-WAN is up.

Changes and Fixes

The following changes and fixes were included in the 2.6.1.5 release.

#	Description
RB-1184	Addressed issue not being able to access the Parental Control Page using the support login credentials.
RB-1882	Addressed issue while provisioning an Incoming IP Filter the CPE add bogus DROP rules to filter tables.
RB-2033	Addressed issue with Non-Privileged URLs being accessible with user accounts.
RB-2130	Addressed issue with the SR552n WiFi buttons not functioning properly after upgrading from a 2.5.x.x release.
RB-2497	Addressed issue with maintaining connection with VOD servers.
RB-2553	Addressed issue with not being able to reset statistics logged in as user.
RB-2573	Addressed issue that allowed SNMP walks even though SNMP was disabled via the GUI.
RB-2585	Addressed issue with WAN and route page displaying empty pages in user privilege.
RB-2628	Addressed issue with WiFi Insight being incompatible with HTTPS.
RB-2651	Addressed issue with 4G LTE feature missing in CPE GUI.
RB-2702	Addressed issue with Port Address Translation where an incoming packet to the firewall gets translated to an inside host on a specific port.
RB-2708	Addressed issue with ACS Management URL not being redirect when IPv4 only is enabled on Dual Stack.
RB-2730	Addressed issue with ICMP is still responding on WAN side even when an ACL entry is configured.
RB-2731	Addressed issue with Restore Default not actually resetting on the first attempt.
RB-2747	Addresses issue with Passwords being corrupted if changed.
RB-2751	Addressed Analytic agent issue were adding local hosts could cause modem to reboot.

#	Description
RB-2752	Addressed issue with Analytic agent which caused the client to report empty capabilities at startup sometimes.
RB-2753	Addressed issue with CDM causing static lease handle to be marked as "modified" which caused issues Analytic agent.
RB-2756	Addressed issue which caused Syn Flood rules to be unconditionally applied if you removed an ACL.
RB-2761	Add WPA fixes for client/repeater mode for (KRACK).
RB-2763	Addressed issue displaying Parental Control / Time Restriction on the SR515ac.
RB-2766	Addressed issue of migration from 2.5.0.14 to 2.6.x.x on the SR552n.
RB-2781	Addressed issue with the SR515ac crashing with an LT2P tunnel behind the device.
RB-2787	Addressed issue with not being able to create QoS Dynamic_WAN on the SR506n.
RB-2790	Addressed issue with 5GHz radio dropping after a period of time.
RB-2791	Addressed issue with PPPoE password not being saved on ATM/ADSL services using the Spanish GUI.
RB-2792	Addressed issue with STUN failing after Ethernet WAN changes.
RB-2794	Disabled WlRxChainPwrSaveEnable on all CPE's for performance improvement.
RB-2795	Incorporate Canadian CLM support for the SR516ac.

Known Issues

The following issues are known for this release.

#	Description
RB-2651	The LTE feature is currently not available on the SR516ac GUI and will be addressed in the next maintenance build.
RB-2822	The SR516ac WAN LED remains solid and will be addressed in the next maintenance build.
RB-2829	Affects SR516ac and SR700ac gateways only: Setting up dynamic QoS via the GUI is not functioning, but dynamic QoS will work via config file. Contact Support for workaround until next maintenance build.

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: **Please read the following if updating from 2.5.0.x.**

Support in this release has been added for SR360n, SR505n, SR510n, and SR552n. Prior to upgrading to 2.6.1.5, 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 Configuratio**n 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
1.0	12/30/2014	Adam Fox	Initial document
1.1	5/26/2014	David LaCagnina	Layout modified
1.2	3/31/2017	Kurt Diekemper	Updated to include LTE feature and other changes.
1.3	9/29/2017	Kurt Diekemper	Updated with all 2.6.1.4 information.
1.4	3/29/2018	Kurt Diekemper	Updated with all 2.6.1.5 information.
1.5	3/30/2018	Kurt Diekemper	Updated Known issues list.