

/ SOFTWARE RELEASE NOTES

Release 2.6.1.6

June 2018

Relevant Models:

SR360n

SR501

SR505n

SR506n

SR510n

SR512nm

SR515ac

SR516ac

SR552n

SR555ac

SR570ac

SR700ac

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Software Revision Summary

Version 2.6.1.6 is released in support only for the SR360n, SR501, SR505n, SR506n, SR510n, SR512nm, SR515ac, SR516ac, SR552n, SR555ac, SR570ac, and SR700ac.

SW Revision	DSP PHY/XDSL Line Driver	CFE Bootloader	Wireless Driver Version	Date
2.6.1.6	A2pG039s.d26u - SR320n and SR360n A2pvl042r.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) A2pvl042j1.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) 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

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

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

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

This is the initial software release for the SR570ac gateway. For information about this model, visit <https://www.smartrg.com/hardware/sr570ac> or contact your local SmartRG sales representative.

New Features

Ref #	Description
RB-2831	Added Migration support from any SR555ac 1.0.0.99 and newer to 2.6.1.6.

Improvements

Ref #	Description
RB-1149	4G LTE WAN service setup interface naming
RB-2807	Addressed bandwidth utilization issue when running SHA.
RB-2823	Downgraded "Error" message to "Notice" for SHA when radio or SSID is not found for connected device.
RB-2824	Revised SHA encryption nonce timestamp check to allow +/- 75 minute grace period to accommodate min-configured DHCP time offset values.
RB-2872	Updated to latest DSL drivers and PHYs for the product lines.

Changes and Fixes

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

Ref #	Description
RB-1857	Cannot create static route using Gateway IP
RB-1093	Addressed issue where the Date and Time stamp row is removed from the Summary page after Internet Time is enabled and after FRESET.
RB-1521	When CPE configured with "Full" duplex mode, on LAN client it is given as "Half" duplex.
RB-2651	Addressed issue with 4G LTE feature missing in CPE GUI.
RB-2764	Revised SHA client to use internal flow statistics APIs to collect bandwidth utilization statistics.
RB-2800	Addressed issues with stateful LAN DHCPv6 server configurations.

Ref #	Description
RB-2812	Addressed GUI issue where all physical ports are identified as LAN in Quality of service => Port shaping.
RB-2822	Addressed issue with SR516ac which caused the WAN LED to stay on even when down.
RB-2829	Addressed issue of not being able to save Dynamic QoS settings.
RB-2883	Addressed issue with Dynamic QoS Interface always assigning Queue to atm0 .
RB-2885	Addressed issue with Wireless->Security page failing to reload after changing SSID selection when WPS enabled.
RB-2889	Fixed link no surf issue with dual ppp sessions.
RB-2911	Added 30a support on the SR555ac.
RB-2914	Addressed QoS classification ADD error that generates 9002 message when trying to save.
RB-2929	Addressed issues for migrating from 1.0.0.99 and newer to 2.6.1.6 for the SR555ac.
RB-2935	Fixed issue where a jump in network time could cause some report generators to send reports once per second.

Known Issues

The following issues are known for this release.

#	Description
RB-2941	Issue with the SR570 and PPPoE authentication failure mode may require reboot.

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 2.6.1.6, 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
1.0	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 2.6.1.4 information.
1.4	3/29/2018	Kurt Diekemper	Updated with 2.6.1.5 information.
1.5	6/29/2018	Kurt Diekemper	Updated with 2.6.1.6 information.