



## /SOFTWARE RELEASE NOTES

Release 2.5.0.6

Relevant Models:

SR350N  
SR350NE  
SR360n  
SR500N  
SR500NE  
SR505N  
SR510n  
SR550n  
SR552n

Release 2.5.0.6  
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## DOCUMENT HISTORY

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	12/30/14	Adam Fox	Document Creation

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## SW REVISION SUMMARY

2.5.0.6	A2pG038i.d25d (SR360) A2pD038f.d25d (SR350) A2pv6C039b.d25d (SR500) A2pv6F039j.d25d (SR505/SR510) A2pvbF039j.d25d (SR550/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	12/30/14
2.5.0.5	A2pG038i.d25d (SR360) A2pD038f.d25d (SR350) A2pv6C039b.d25d (SR500) A2pv6F039j.d25d (SR505/SR510) A2pvbF039j.d25d (SR550/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	10/10/14
2.5.0.4	A2pG038i.d25d (SR360) A2pD038f.d25d (SR350) A2pv6C039b.d25d (SR500) A2pv6F039j.d25d (SR505/SR510) A2pvbF039j.d25d (SR550/SR552n)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	7/7/14
2.5.0.3	A2pG038i.d25d (SR360) A2pD038f.d25d (SR350)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	6/6/14

	A2pv6C039b.d25d (SR500) A2pv6F039j.d25d (SR505/SR510) A2pvbF039j.d25d (SR550)			
2.5.0.2	A2pG038i.d25 (SR360) A2pD038f.d25 (SR350) A2pv6C039b.d25 (SR500) A2pv6F039b.d25 (SR505/SR510) A2pvbF038n.d25 (SR550)	1.0.38-114.185	6.30.163.23.cpe4.12L08.1	4/18/14
2.5.0.1	A2pD038f.d24m (SR350) A2pG038i.d24m (SR360) A2pv6C039b.d24m (SR500) A2pv6F039b.d24m (SR505/SR510) A2pvbF038n.d24m (SR550)	1.0.38-114.70	6.30.102.7.cpe4.12L08.0	12/19/13
2.4.4.6	A2pD035j.d24a (SR350) A2pv6C035j.d24a (SR500) A2pv6F037a.d24a (SR505)	1.0.38-112.70	5.100.138.2001.cpe4.12L04.3	8/26/2013
2.4.4.5	A2pD035j.d24a (SR350) A2pv6C035j.d24a (SR500) A2pv6F037a.d24a (SR505)	1.0.38-112.70	5.100.138.2001.cpe4.12L04.3	6/5/2013
2.4.4.4	A2pD035j.d24a (SR350)	1.0.37-106.24	5.100.138.2001.cpe4.12L04.3	11/12/2012

	A2pv6C035j.d24a (SR500)			
2.4.4.3	A2pD035j.d24a (SR350) A2pv6C035j.d24a (SR500)	1.0.37-106.24	5.100.138.2001.cpe4.12L04.3	10/11/2012
2.4.4.2	A2pD035j.d24a (SR350) A2pv6C035j.d24a (SR500)	1.0.37-106.24	5.100.138.2001.cpe4.12L04.3	7/30/2012
2.4.3.7	A2pD030n.d23c (SR350) A2pv6C032a.d23c (SR500)	1.0.37-106.24	5.60.120.11.cpe4.06L.03.8	5/31/2012
2.4.3.6	A2pD030n.d23c (SR350) A2pv6C032a.d23c (SR500)	1.0.37-106.24	5.60.120.11.cpe4.06L.03.8	4/26/2012

## CHANGES AND FIXES

REFERENCE NUMBER	DESCRIPTION
RB-778	CPE is unable to fetch IPv6 Address through Prefix Delegation
RB-1211	IGMP issues LAN to WAN and LAN to LAN bridged SR552n
RB-1225	CLI commands drop telnet session
RB-1233	Safari browser - Not able to change WPA passphrase via web GUI ; display of passphrase blanks out at times
RB-1236	Log level issues with syslog server.
RB-1249	DeviceInfo.ManufacturerOUI is zero'd out when NOT using MAC address as serial number
RB-1328	Unable to add Virtual Servers locally or remotely when on VDSL PTM connection
RB-1336	CPE's LAN client is not learning new DNS server
RB-1338	Not correctly reporting WAN IP on home page in some cases
RB-1339	Connection failures when using multiple WAN interfaces
RB-1346	Consolidated - SR552N xDSL LED failures
RB-1353	Backward compatibility of Config Files
RB-1363	DSL LED is not coming on for the 510n using 2.5.0.5 FW
RB-1371	CDM not enabled on SR360n
RB-1385	dumpmdm does not match with dumpcfg when UPnP is enabled
RB-1386	Multiple WAN Interface Behavior, Base MAC and Default Gateway Assignment

## IMPROVEMENTS

REFERENCE NUMBER	DESCRIPTION
RB-1253	Dynamic QoS for devices with NON dedicated WAN Ethernet
RB-1335	Integrate latest FAP patch from Broadcom
RB-1359	Improvements to Dynamic QoS

## NEW FEATURES

REFERENCE NUMBER	DESCRIPTION
RB-670	Add HTTPS support to local GUI
RB-1212	SSH client from gateway via CLI
RB-1213	Telnet client from gateway via CLI
RB-1333	Create Build with French GUI
RB-1360	Add new Logo and Change to new smartrg green on default UI
RB-1374	Allow user to select the TR-069 Connection Request URL when Dual Stack is enabled



## COMPATIBILITY/SYSTEM NOTES

The introduction of Custom Default Settings feature requires the CFE to be upgraded when moving from any firmware version 2.4.4.2 or before. Firmware upgrades from any version below 2.4.4.3 to 2.4.4.3 or newer requires the CFE to be upgraded by use of the firmware that includes a new CFE. Firmware files containing a CFE contain the string "cfe" in the filename. For example, the file, CA\_PBCA\_2.4.4.3\_24742\_SR350N\_cfe\_fs\_kernel, would be used to upgrade the firmware on a SR350N gateway.

Failure to upgrade the CFE when moving from a firmware version before version 2.4.4.3 will result in unpredictable operation of the gateway and unknown factory default settings.

Downgrading from 2.4.4.3 and newer versions to pre 2.4.4.3 is not advised. If a downgrade must be accomplished, a factory default of the device via the reset button must be performed. The downgrade must be accomplished using the CFE image of the target firmware release. Factory default the device after the firmware has been downgraded by holding the reset button for at least 10 seconds after applying power to the device. Power must be off before pressing the reset button.

In order to support expanded configuration files, it is recommended that the SR552n be upgraded to 2.5.0.5 or later. The cfe\_fs\_kernel image is required for the upgrade. Note that this will result in a factory reset only during the initial upgrade. All subsequent upgrades will retain the configuration.

### 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, passphrase = OneCpeToRuleThemAll, Rekey interval = 0 and encryption = TKIP+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.

# FW UPGRADE PROCEDURE

## ***Upgrade Firmware***

1. Open a web browser, connect to 192.168.1.1/admin, and login with username **admin** and password **admin** (or customer specific IP address and login info)
2. Click Management → Update Software and select 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***

1. Hit the F5 Key to refresh your browser and reconnect to 192.168.1.1/admin to log back into the device.
2. Click on Device Info.
3. Verify the version information in the *Software Version* field.

## ***Restore Defaults***

1. Click on the Management Link
2. Click on settings.
3. Click on Restore Default.

# 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, configure the gateway as required. Use the Backup Running Configuration button on the Backup Settings to upload a configuration file from the gateway. After the file is uploaded, choose the file and use the Update Working Settings button on the Update Settings window 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.

## TECH 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 a spreadsheet which includes Model, MAC address, Issue, and Firmware version.

### *Firmware:*

Login to the Customer Portal to download firmware.

### *Additional Contact Info:*

Phone: +1 360 859 1780, Option 4 Hours: 5am –5pm PST (UTC-0800) Email: [support@smartrg.com](mailto:support@smartrg.com)