

# Adtran

## SDG SmartOS

### 11.2.3.1 Release Notes

Release Notes

6SOSRN11231-40A

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## To the Holder of this Document

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# 1. Introduction

The SmartOS 11.2.3.1 software release for Adtran's Service Delivery Gateway (SDG) products is a major system release that introduces new features and addresses customer issues uncovered in previous code releases.

The release is generally available code. Results obtained during internal testing have been evaluated and the code has been determined to be ready for general availability. Caveats discovered during testing but not addressed in this build are listed in [Errata on page 6](#).

Configuration guides, white papers, data sheets, and other documentation can be found on Adtran's Support Community, <https://supportcommunity.adtran.com>. The contents of these release notes will focus on the platforms listed in [Supported Platforms on page 4](#).

## 2. Supported Platforms

[Table 1](#) lists the SDG platforms that are supported in Adtran's SmartOS 11.2.3.1 release.

**Table 1. Supported SDG Platforms**

Platform
834-5
834-v6
841-t6
854-6
854-v6

## 3. Features and Enhancements

This section highlights features and enhancements included in the 11.2.3.1 release.

- OWRT-2871 Unified the LED behavior across all SmartOS platforms.
- OWRT-6767 Improved the Intellifi HUB operation to include all satellites added in the topology, even when they are not connected. When satellite devices are not connected, they are reported as down devices.
- OWRT-7029 Added support for TR-181 IPv6 data parameters for use with Mosaic Device Manager, which provides the ability to view IPv6-related data on devices with dual-stack or IPv6-only configurations.
- OWRT-7129 Added support for an updated hardware revision of the 841-t6.
- OWRT-7136 Added additional CW tone tables for all countries to support Metasphere distinctive call waiting in SDG products that support voice capability.
- OWRT-7183 Updated WPS functionality in all SmartOS-based SDGs. The new behavior is as follows:
  - Press the WPS button for greater than 5 seconds to connect to the WPS server on the 2.4 GHz band.
  - Press the WPS button for less than 5 seconds to connect to the WPS server on the 5 GHz band.
- OWRT-7216 Added **Interarrival Jitter** statistics to the **VoIP Statistics** menu of the SDG GUI.
- OWRT-7294 Added the ability for SDG devices to add or remove the physical push button configuration method for enabled WPS options.
- OWRT-7303 Updated the device upgrade procedure to perform more quickly (3 minutes or less).

- OWRT-7318 Updated the device firewall rules to prevent malformed firewall statements from being processed.
- OWRT-7329 Updated the maximum allowable transmit power for AP-mode devices to 30dBm.

## 4. Fixes

This section highlights major bug fixes in the 11.2.3.1 release.

- OWRT-6557 Fixed an issue in which connecting a new client via WPS could cause a prior WPS client to disconnect.
- OWRT-6769 Fixed an issue in which SIP messages were not being displayed correctly for debug logs.
- OWRT-6905 Fixed an issue in which, in some cases, flowstatd could cause memory leaks.
- OWRT-6921 Fixed an issue in which, in some cases, kernel issues could cause intermittent crashes on SDG devices.
- OWRT-7145 Fixed an issue in which the WPS button didn't function correctly on some SDGs.
- OWRT-7157 Fixed an issue in which delayed SIP responses could occur.
- OWRT-7159 Fixed an issue in which LED color and behavior for device reboots in a Linux environment was not consistent. With this fix, the front system LED turns off after the reboot and will begin blinking green when the system is booting up.
- OWRT-7165 Fixed an issue in which PPPoE WAN connections did not operate correctly on some SDGs.
- OWRT-7166 Fixed an issue in which WPS-based Intellifi pairing did not function correctly.
- OWRT-7167 Fixed an issue in which, in some instances, navigating away from the **WiFi** page in the GUI would result in an erroneous **Unsaved Changes** error.
- OWRT-7168 Fixed an issue in which, in some cases, after a device reboot the Intellifi topology would not refresh and would instead return an **Intellifi is Disabled** message.
- OWRT-7169 Fixed an issue in which SIP calls for analog ports could fail for multiple consecutive call cycles.
- OWRT-7175 Fixed an issue where, in some cases, the ACS was not properly able to set the 5 GHz channel-width to 80 MHz.
- OWRT-7181 Fixed an issue in which IPv6-enabled interfaces could display as unknown devices and without IPv6 information.
- OWRT-7191 Fixed an issue in which private address hosts were not being cleared when devices went inactive, forcing them to use a new address each time they reconnected.
- OWRT-7195 Fixed an issue in which, in some cases, devices would not recover from transmit timeouts.
- OWRT-7204
- OWRT-7200 Fixed an issue in which, in some cases, 2G Wi-Fi devices would periodically go offline when connected to an SDG.
- OWRT-7205 Fixed an issue in which overlapping 2G channels could be automatically selected when the wireless **auto-channel** feature was enabled.
- OWRT-7208 Fixed an issue in which, when operating on a DFS channel, the radio could intermittently be limited to 20MHz operation.
- OWRT-7224 Fixed an issue in which adding 2.4G-only devices as an Intellifi satellite would not pair correctly with dual-band-pri enabled.
- OWRT-7227 Fixed an intermittent issue in which the Intellifi app would not connect properly to SDG devices after a power failure.

- OWRT-7237 Fixed an issue in which some devices would not populate traceroute results.
- OWRT-7238 Fixed an issue in which, in some cases, the LAN LEDs did not function properly.
- OWRT-7239 Fixed an issue in which the Wi-Fi SSIDs for 2.5 GHz guest and video networks were not being broadcast.
- OWRT-7299 Fixed an issue in which, when running bi-directional traffic with LAN clients and WAN ports behind a switch, traffic timeouts could occur, and up to 5 seconds of traffic could be lost.
- OWRT-7319 Fixed an issue in which port 1200 was dropped when using a proxy that included port information.

## 5. Errata

The following is a list of errata that still exist in the 11.2.3.1 release.

- OWRT-6296 Some static routes added using the GUI (**Network > Routing > Static Route**) are not successfully added to the routing table.
- OWRT-7221 In some cases, when VoIP line 1 is disabled, line 2 may not register correctly and calls cannot be placed.

## 6. Upgrade Instructions

Upgrading Adtran SDG products to the latest version of firmware is outlined in the following sections.

### Step 1: Upgrading Firmware

1. Open a web browser, connect to **192.168.1.1/admin**, and login with the username **admin**, and the password assigned to your device.
2. Select **Management > Update Software**, and then select the **Browse** button to locate the appropriate firmware image.
3. Once the appropriate firmware image has been located, select **Update Software** to begin the upgrade. The image will be uploaded to the device and the device will automatically reboot upon completion.

## Step 2: Verifying the Version

1. After the device has completed rebooting, press the **F5** key to refresh your browser, and then reconnect to 192.168.1.1/admin to log back into the device. The **Device > Summary** menu page appears.
2. Verify the version information in the **Software Version** field.

## 7. Defaulting the Device

### Restoring Factory Default Settings

You can restore factory defaults to the gateway by selecting **Management** from the GUI menu on the left, then selecting **Settings > Restore Defaults**, and following the instructions on the page.

### Restoring Custom Default Settings

The **Custom Defaults** feature allows the importation of a set of defaults to the gateway that are restored when the Restore Default Settings operation is activated. This set of defaults can be defined and updated via the GUI, CLI, or CWMP support of the gateway. To create a custom set of default settings, follow these steps:

1. Configure the gateway as required.
2. On the Backup menu page, select the Backup Running Configuration button to upload a configuration file from the gateway.
3. After the file is uploaded, navigate to the **Update Software** page, select the file, and then select the **Update Working Settings** button to download the file to the gateway. The gateway will then use the downloaded settings as the custom default whenever the **Restore Default Settings** operation is invoked.

## 8. Warranty and Contact Information

Warranty information can be found online by visiting [www.adtran.com/warranty-terms](http://www.adtran.com/warranty-terms).

To contact Adtran, choose one of the following methods:

Department	Contact Information	
<b>Customer Care</b>	From within the U.S.:	(888) 4ADTRAN ((888)-423-8726)
	From outside the U.S.:	+1 (256) 963-8716
<b>Technical Support</b>	Support Community:	<a href="http://www.supportcommunity.adtran.com">www.supportcommunity.adtran.com</a>
	Product Support:	<a href="http://www.adtran.com/support">www.adtran.com/support</a>
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<b>Sales</b>	For pricing and availability:	1 (800) 827-0807