



TECHNICAL REFERENCE



Viewing and Loading the Cisco D9859 Advanced Receiver Transcoder License Information

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1 Introduction

By default, the D9859 Advanced Receiver Transcoder has one HD license and one SD license. Based on the default licenses:

- Only PE1 and PE2 can be configured. To enable PE3 to PE8, additional licenses are required.
- Only PE1 can be configured to transcode HD output. For PE2 to transcode to HD output, an additional SD to HD Upgrade license is required.

There are two ways to order additional licenses:

1. You can order units with additional licenses that are installed at the factory.
2. You can purchase a License PAK using the SWIFT licensing tool to load the license file yourself. The license file (.cdt) is loaded to the unit via over-the-air or locally.

This document describes how to verify the number of licenses on the D9859 unit and how to load licenses to the D9859 unit. For more information, see the [Cisco D9859 Advanced Receiver Transcoder Installation and Configuration Guide](#).

2 Verifying the D9859 Licenses

There are two ways to verify the number of licenses installed on a D9859 unit:

1. Web GUI
2. Front Panel

Verifying the Licenses Using the Web GUI

Step 1 Open a web browser.

Step 2 Type the IP address of the D9859 Advanced Receiver Transcoder in the address bar and press **Enter**.



Step 3 In the **Username** and **Password** fields, enter the username and password.



Note The username and password are case-sensitive. The default username is **admin** and the default password is **localadmin**.

Step 4 From the web interface of the D9859, choose **System Settings > Identification > Features/Licenses**. The Features/Licenses page is displayed.

System

- Identification
 - Features/Licenses
- IP Settings
 - IP Unicast Routing
 - MPE
 - SNMP
 - Time/Clock
- Alarms ✓
- Versions ✓
- Settings File ✓
- Security/Accounts ✓

Features/Licenses

Hardware Features

Feature	Present (Stuffed)
SDI	No
MPOIP	Yes
Eth Filter	No
Number of SAT	0
Dolby-E	No
SFN	No

Feature License Summary

Feature	Enabled
HD Transcode License C...	8
SD Transcode License C...	0

Step 5 The **Feature License Summary** area displays the total number of PEs for HD and/or SD transcode. The **HD Transcode License Count** displays the number of program entries that can transcode both SD and HD. The **SD Transcode License Count** displays the number of program entries that can transcode SD only.

For example, a fully licensed D9859 Advanced Receiver Transcoder (with additional 6 SD and 7 HD upgrades) is displayed as follows:

- HD Transcode License Count: 8
- SD Transcode License Count: 0

The HD Transcode License also allows for SD transcodes.

Verifying the Licenses Using the Front Panel

Step 1 From the Main menu of the D9859 front panel, press the **RIGHT** arrow key two times and then press the **SELECT** key. The About menu provides the basic hardware information that is used when requesting customer support from Cisco.

Step 2 Press the **RIGHT** arrow key to select Licenses and press the **SELECT** key.

Step 3 Scroll through and choose **HD Transcode License Count** or **SD Transcode License Count**.

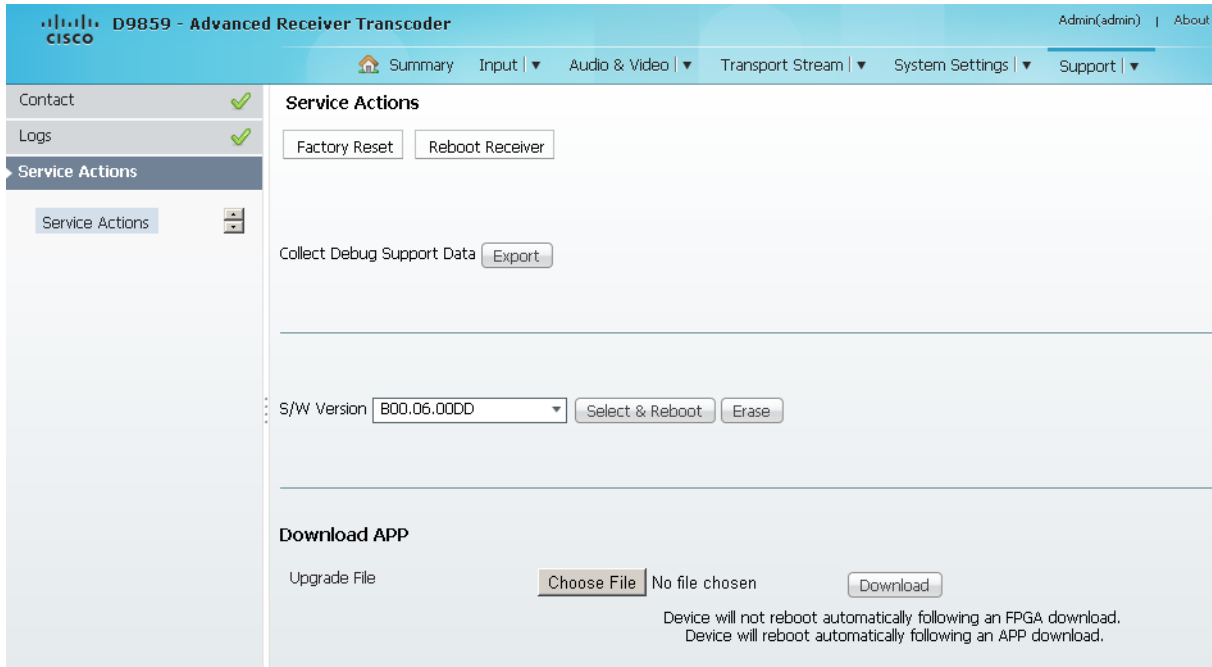
- If **HD Transcode License Count** is selected, the **Enb** parameter displays the number of program entries that can perform SD and HD transcode (0 to 8).
- If **SD Transcode License Count** is selected, the **Enb** parameter displays the number of program entries that can perform SD transcode only (0 to 8).

For example, a fully licensed D9859 transcoder, with additional 6 SD and 7 HD upgrades, is displayed as 8 for the HD Transcode License Count feature and 0 for the SD Transcode License Count feature.

3 Loading a Software License

If the license file must be loaded locally (instead of over-the-air from the uplink), proceed as follows:

Step 1 From the web user interface of the D9859, choose **Support > Service Actions**. The Service Actions page is displayed.



Step 2 If the unit is new from the factory, without any licenses loaded, we recommend that you wait three minutes after you first boot up the unit before downloading a license file. If the unit has previously loaded licenses, we recommend that you wait ten minutes after you boot up the unit before downloading a new license file.

Step 3 In the **Download APP** area, click **Choose File** to select the software license file. The Open dialog box appears. Select the license file and click **Open**. Click **Download** to download the selected license file. You must wait approximately 100 seconds before you can view the updated transcode license information. You can verify the download by viewing the licenses in the Features/Licenses page.

If You Have Questions

If you have specific questions on the D9859 licensing, email 9859@external.cisco.com.

If you have technical questions, contact Cisco Services at the following URL: <http://www.cisco.com/web/services> or email dmn_support@cisco.com.

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