



# Cisco D9824 Advanced Multi Decryption Receiver Software Version 3.91 Release Note

## Overview

### Purpose

This document describes the features included in the Cisco® D9824 Advanced Multi Decryption Receiver with software version 3.91. It is recommended that all users upgrade the D9824 receivers to software version 3.91. An optional FPGA R00.00.02 upgrade is also available.

**Note:** The FPGA upgrades can only be done through the D9824 web GUI.

### Description

The D9824 Advanced Multi Decryption Receiver is designed for satellite content distribution applications requiring DVB-S and DVB-S2 reception capabilities with advanced digital outputs for digital tier program distribution. With support for decryption of up to 32 PowerVu® encrypted programs, the D9824 receiver allows users to efficiently receive and distribute multiple programs through their network using a single receiver.

## Features

The following features are included in software version 3.91:

- **DVB-S/S2 RF input** – allows the user to lock to a DVB-S or DVB-S2 carrier for transport reception.
- **PowerVu Decryption** – provides the capability to decrypt up to 32 PowerVu encrypted services.
- **PowerVu Service Replacement** – allows alternate programming to be substituted by a PowerVu uplink for up to 32 services during a regional blackout.
- **Live Event Control** – provides support for uplink controlled program substitution using the Live Event Controller (LEC) in a dynamic fashion.

## Features

- **ASI input and output** – for digital tier program distribution of the decrypted services.
- **Digital Program Mapping** – supports filtering of up to 32 services including service and PID re-mapping, dropping of services or PIDs, and PSI/SI regeneration.
- **Digital Program Insertion** – supports SCTE-35 DPI PIDs with ad insertion tiers for all 32 services, allowing targeted DPI messages on a per user address basis.
- **Mode-I Support** – allows filtering of DVB tables for the support of ARIB PMT tables from the uplink.
- **NIT Re-tune** – allows the receiver to follow network changes from the uplink for symbol rate changes or frequency changes during network transitions.
- **Over the air software updates** – allows the receiver to be kept up to date with the latest software without end user intervention.
- **Web GUI** – supports the D9824 web GUI that enable users to control and easily manage the device.
- **Settings Files** – ability to upload or download the configuration file of a D9824 receiver through the web GUI. This allows the user to set up a new device quickly by loading a known and valid configuration file.
- **Code Update** – allows the user to update the device code through the web GUI without any external applications.
- **Log Files** – ability to export the alarm/warning log and the diagnostic log to a CSV file for further review, while troubleshooting the D9824 device.
- **PowerVu Simulcrypt Support** – allows the D9824 receiver to decrypt services that utilizes both PowerVu and 3rd party conditional access.
- **SSH Support** – access to the console can now be achieved using a secured SSH connection.
- **IP Port Control** – to support additional security, the D9824 now supports enabling/disabling of individual IP services through the web GUI.
- **Improved DVB®-CI CAM Handling** – provides the ability to ensure that CAMs that do not support the full DVB-CI specified TS rate, can operate by reducing the internal TS rate provided to the CAM. General DVB-CI stability improvements are also included.



## For Information

Cisco provides its customers who have purchased support agreements with telephone support from anywhere in the world. If you require technical telephone assistance or product training support, or if you have any questions concerning the Cisco product, you may contact the appropriate Customer Support Center from those listed below. Charges may apply for customers without a current and applicable product support agreement.

Customers	Location	Phone Number
Programmers and Broadcasters	USA and Canada	Toll-Free: 1.888.949.4786 +1.770.236.4786 <a href="mailto:dmn_support@cisco.com">dmn_support@cisco.com</a>
Telcos and Cable Service Providers	Cisco Services	Toll-Free: 1.800.722.2009 Local: 770.236.6900 (press 2 at the prompt) <a href="mailto:customer-service@cisco.com">customer-service@cisco.com</a>
All Customers	Europe	+32.56.445.155 or +32.56.445.197 <a href="mailto:saemea-support@cisco.com">saemea-support@cisco.com</a>
All Customers	Asia	+852.2588.4746 <a href="mailto:saapac-support@cisco.com">saapac-support@cisco.com</a>

Customers who call a Customer Support Center are asked specific questions in order to identify their needs. In this way, each call can be directed to the customer support representative most experienced with their Cisco product.



Cisco Systems, Inc.  
5030 Sugarloaf Parkway, Box 465447  
Lawrenceville, GA 30042

678 277-1120  
800 722-2009  
[www.cisco.com](http://www.cisco.com)

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks).

The DVB logo is a registered trademark of the DVB Project.

Other third party trademarks mentioned are the property of their respective owners.

The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1009R)

Product and service availability are subject to change without notice.

© 2011-2012 Cisco and/or its affiliates. All rights reserved.  
March 2012

Printed in USA  
Part Number 7022361 Rev D