



# Release Note – Cisco D9865 Satellite Receiver, Software Release Version 2.01

## Overview

### Introduction

This document describes the changes included in software release version 2.01 for the Cisco® D9865 Satellite receiver since the previous release, version 1.51.

### New Features

#### *On All Receivers*

The following new features are included in this software release version (v2.01):

1. Dish tones were implemented (generated as PCM only) to assist installation and setup when DiSEqC dish positioning is not used.
2. The capability was added to decode and display HD subtitles.
3. POV Mode setup was added to increase the flexibility for various different service provider implementations of conditional access signalling and PSI/SI table content.
4. Support was added for user selection of a program audio source.
5. Support was added for uplink control of audio routing and stream authorization.
6. Support was added for Cisco Live Event Control.
7. Electronic Program Guide (EPG) capability was added for units licensed for this feature. Additional EPG features are:
  - The EPG grid display screen shows the available programs (depending on information included in the satellite signal).
  - The channel navigator information screen is shown briefly after each channel change.
  - Two built-in favorite lists are included plus up to three custom favorite lists.
  - Up to 50 program reminders are provided.
8. Specific DVB-CI CAMs and smart cards were added as listed in the Installation & Operations Guide.

9. A channel scan feature was added, which is selected as 'Authorized Channels Only' in the favorites channel list. This is only available on units with an EPG license.
10. An automatic timeout feature was added for on-screen display screens to help avoid image burn-in on the TV or monitor.

#### *On D9865-D Receivers*

1. MPE optimization mode was added to IP Setup to optimize performance for high bit rate or low jitter customer requirements.
2. Significant improvements were made in performance of MPE data.
3. A web user interface was added to provide status and settings access via supported web browsers.
  - The web user interface supports Internet Explorer versions 6, 7, and 8, and Firefox version 3.5.
  - Application updates are allowed via the web user interface instead of a separate tool.
4. Settings and status are accessible via SNMP with the supplied MIBs.
5. Settings backup and restore are available via MIB and web user interface.
  - The MIB and web user interface support FTP transfer of settings files.
  - The web user interface allows direct transfer of settings files via the web browser.

## Updates

The following improvements are included in this software release version (v2.01):

1. An issue was corrected where, if the same preset was activated twice, video was not started until after a channel change was made.
2. The capability was added for Dolby® Digital Plus, including pass-through via the 'Compressed' option for Digital Audio Preference in the audio setup.
3. An on-screen alarm reminder was added for the highest priority active alarm (use alarms setup to disable the banner or individual alarms).
4. Support was added for 'por' subtitle language.
5. An issue was corrected where an incorrect Service Replacement action occurred when activated by a masked Cue Trigger.
6. The receiver will no longer reboot when tuned to a channel that uses BISS encryption. Note that BISS encryption is not supported by the D9865.
7. The number of accessible channels was increased from 61 to 200.
8. The on-screen display performance was improved.
9. Improvements and updates were made to the Info:RF Status and Setup:Dish Setup screens.
10. The color buttons were re-arranged in the on-screen display menus and setup screens to appear in the same order as on the remote control unit (RCU).
11. The menu transparency feature was changed to ensure that the text and settings are always visible even if transparency is set to 90%.

12. The positioning of highlighted alarms/warnings was corrected when viewing active alarms/warnings and the current highlighted alarm/warning is cleared.
13. An issue was corrected where the background screen did not dim when a pop-up dialog was displayed.
14. The Channel List or EPG screen is now closed when the user performs a channel change (i.e., when the OK/Select button is pressed).
15. Improved HDMI and HDCP compliance with HDMI repeaters.
16. An issue was corrected where ADP (EMM) processing was halted after an interruption of the RF signal. Consequently, the unit could not be authorized or de-authorized until it was rebooted.

*On D9865-D Receivers*

1. The 'Network Setup' menu was added to the on-screen display to contain IP Setup, Unicast IP Setup, Multicast IP Setup and SNMP Setup.
2. The system start-up alarm & trap message was added.
3. An issue was corrected where MPE data was forwarded when the channel was not authorized. Note that decryption occurs only if the channel is authorized.
4. An issue was corrected where Unicast MPE lost a few packets approximately every 10 minutes.

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