



# D9485 DAVIC QPSK Bridge Release Note

This release note provides release information for D9485 1.2.16 release software.

## Release Details

This following table lists component version numbers and other details for this release.

Release Package Name:	Rel_4P_1_2_16-G
Overlay File System:	1.1.81
Ramdisk:	1.1.37
Kernel:	1.1.10
Bootloader:	1.1.7
Bootloader Environment:	1.1.5
Flattened Device Tree:	1.1.9
Primary Microcontroller:	0.9.3
3AN Boot FPGA:	1.0.7
Spartan6 Demodulator FPGA:	0.2.28
Virtex5 Primary FPGA:	1.27.7
Chopstick Modulator UPX:	MV_CHP_80000003_20121019-00112320.0007

## Document Version:

This is the first draft release of this document.

## Site Requirements

This section includes information on site requirements for running D9485 software release 1.2.16. Please read this entire section before you begin an upgrade.

## System Release Compatibility and Prerequisites

This software can be installed on a network that is running *System Release 4.2 Service Pack 4* and later.

For a complete configuration listing, or to upgrade your system, contact Cisco Services for assistance. Follow the menu options to speak with a service engineer.

## Hardware Requirements

The 1.2.16 release works with all D9485 DAVIC QPSK Bridges that are presently deployed.

## QPSK Software Installation

Refer to the *Model D9485 DAVIC QPSK Bridges Installation and Operation Guide* (part number OL-30211) for instructions on installing the QPSK software.

## Fixed Defects

Number	Summary
CSCum80994	Fixed an issue where under some conditions, within minutes of a D9485 reboot, "Buffer Overflow" errors were being logged, STBs would stop signing on, and STBs would stop responding to polls.
CSCum81008	Fixed an issue where the severity of the D9485 "Buffer Overflow" alarm was incorrectly set to Major. Reduced the severity of this alarm to Minor.
CSCum60543	Fixed an issue where, when pinging the broadcast IP address of the D9485, not all STBs were responding to the ping and the D9485 was losing IP connectivity to the STBs until it was rebooted.
CSCum96232	Fixed an issue where, under heavy load, the D9485 appears to not receive all Reservation Request messages from STBs and the Grant message traffic increases.

CSCum53344	Fixed an issue where hitting the "Return" key on a sub-page of the Craft Port/ssh menu interface takes the user to the previously displayed page without entering the "0 - Back" option. Removed this undocumented shortcut and now prevent the sub-menus from returning to a parent menu on newlines.
CSCum73897	Fixed an issue where the "Number Transmitted" counter, located under Statistics -> Modulator on the Craft Port/ssh menu and web interfaces, counts ATM frames instead of the number of cells transmitted. This is not a very useful statistic because the frames are always being transmitted at a constant rate. Changed this counter value to total transmitted cells because it represents the actual data being transferred over the modulator.
CSCun08045	Fixed an issue where it was possible that lost forward-path MAC messages could contribute to set top boxes going permanently non-responsive, but only if the set top box was already non-responsive for some other reason.
CSCun37240	The console reading for transmitted cells does not match the value for transmitted cells when SNMP polling. The polling outputs an increase of 3382 cells every five seconds weather there is data being sent from the DNCS controller or not.

## Known Issues

No known issues exist in this release.

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