



MQAM Modulator Software Version 2.7.2 Release Note

Overview

Introduction

This document describes the change requests (CRs) implemented by upgrading a Model D9477 Multiple Quadrature Amplitude Modulation (MQAM) Modulator to MQAM software version 2.7.2.

Audience

This document is intended for system operators or field service engineers who are responsible for installing the MQAM software onto the MQAM.

Document Version

This is the first formal release of this document.

Introducing MQAM Software Version 2.7.2

MQAM software version 2.7.2 is designed to be installed on an MQAM. After the software is installed and the modulator is active, it provides additional support for sites that deploy video-on-demand (VOD), *anything*-on-demand (xOD), and other interactive broadcast services.

Note: For a complete description of an MQAM, refer to *MQAM Modulator Models D9477-1, D9477-2, and D9477-3 Installation and Operation Guide* (part number 717866).

System Release Compatibility and Prerequisites

MQAM software version 2.7.2 can be installed on a Digital Broadband Delivery System (DBDS) that is running one of the following system releases and DNCS application versions:

- SR 4.3.1
- SR 4.3.2
- SR 4.4.1
- SR 5.0

For a complete configuration listing, or to upgrade your system, contact Cisco Services.

Software

MQAM 2.7.2 includes the following software code:

- MQAM Host Application code 2.7.2
- MQAM Host Boot code 1.2.3
- MQAM RF code 2.3

The *QAM Software Installation Instructions* (part number 4026030) provides instructions to obtain the code for this release from an FTP server. Follow the instructions in the *Obtaining the QAM Software File* section to download the following file:

MQAM_2_7_2.JR.tar

Hardware Supported

MQAM 2.7.2 supports the Model D9477 MQAM.

What's Fixed?

This section provides a description of the Change Requests (CRs) implemented in MQAM software version 2.7.2.

CSCzp00268: QAM Platforms Produce Black Screen or Frozen Video

CSCzp00268 corrects an issue wherein customers experienced black screens or frozen video that required the user to channel away, then back, to recover.

Known Issues

CSCtr32802: TSIDs Accept Values Greater Than 65535

Steps to Reproduce

- 1 Go to DNCS > Network Element Provisioning > QAM.
- 2 Select **QAM Type** in the drop-down list for the label **By Field** and any QAM (GQAM, MQAM, UniQAM) in the drop-down list for the label **By Value**.
- 3 Select the corresponding QAM and click **Edit**.
- 4 Enter a value more than 65535 for the **Input Transport Stream ID**. The corresponding field box turns yellow when you enter the value (which is out of range), but when we save the corresponding QAM, the value is also saved.
- 5 Enter a value more than 65535 for the **Output Transport Stream ID**. The corresponding field box turns yellow when you enter the value (which is out of range), but when you save the corresponding QAM, the value is also saved.

Actual Result

The Input Transport Stream ID and Output Transport Stream accepts values above 65535.

Expected Result

The Input Transport Stream ID and Output Transport Stream should not accept values above 65535 and you should not be allowed to save the QAM if those values exceed the 65535 threshold.

CSCtq48660: Video Not Available After Changing RF Frequencies

After changing the output frequencies in the MQAM provisioning and resetting, video is coming into the DHCT.

To get the video, we need to bounce the qamManager process. Then, only the channels can be seen in the DHCTs. In the DHCT diagnostic page, the old frequencies are still shown and the channels are not displayed.

Steps to Reproduce

- 1 Choose an MQAM which has few sessions and video on that session.
- 2 Modify the output frequencies of the QAM and save.
- 3 Reset/reboot the MQAM.
- 4 Check the video again in DHCT.

Expected Result

Video should be viewed in DHCT without bouncing the qamManager.

For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.



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