



# Cisco RF Gateway 1 Software Release Notes, Limited Release 2.00.08

## Overview

### Introduction

Software Release 2.00.08 is a limited release for RF Gateway 1. This release adds DVB Simucrypt Scrambling and is intended only for UPC and their VOD deployment in Austria. The release allows an upgrade from an earlier Beta version (2.00.05) used for integration testing. General Availability (GA) release for the DVB Simucrypt Scrambling is targeted for April 2009.

### Purpose

The purpose of this document is to notify UPC of the enhancements made since the Beta version was released and identify known issues that will be resolved in the GA release.

### Audience

This document is intended for UPC system engineers or managers responsible for operating and/or maintaining this product.

### Related Publications

Refer to the following documents for additional information regarding hardware and software.

- *Cisco RF Gateway 1 Configuration Guide*, part number 4025112
- *Cisco RF Gateway 1 System Guide*, part number 4024958

## Safe Operation for Software Controlling Optical Transmission Equipment

If this document discusses software, the software described is used to monitor and/or control ours and other vendors' electrical and optical equipment designed to transmit video, voice, or data signals. Certain safety precautions should be observed when operating equipment of this nature.

For equipment specific safety requirements, refer to the appropriate section of the equipment documentation.

For safe operation of this software, refer to the following warnings.



### WARNINGS:

- Ensure that all optical connections are complete or terminated before using this equipment to remotely control a laser device. An optical or laser device can pose a hazard to remotely located personnel when operated without their knowledge.
- Allow only personnel trained in laser safety to operate this software. Otherwise, injuries to personnel may occur.
- Restrict access of this software to authorized personnel only.
- Install this software in equipment that is located in a restricted access area.

## Platform Changes

The RF Gateway 1 expanded capabilities include:

- DVB Simucrypt Scrambling.

The expanded web interface capabilities include revised system pages with the following enhancements.

- Log configuration supports scrambling-specific log filtering.
- Scrambling configuration is supported via general, EIS-specific and ECMG-specific setup and control pages.

## DVB Simulcrypt Scrambling

The following changes have been made to support DVB Simulcrypt Scrambling.

- License Management has been extended to support the DVB\_SCRAMBLING license option necessary to start the Scrambling engine. The license key files will be loaded by on-site personnel during the upgrade support process. After the license is loaded on the RF Gateway 1, refresh the License Management page until the license is verified and enabled. Reboot the RF Gateway 1 to enable Scrambling.
- Log configuration has been extended to support Scrambling and provides several new module filters to fine tune logging messages. Due to the potential for high message traffic, it is recommended that Logging be set to "Terse" at the highest level. Several modules default to **Off** and should be left at that level (FTP License, Resource Allocator, Socket, Advanced Filters).
- Scrambler configuration has been added and consists of a page to apply general system settings and pages to configure the EIS and ECMG operation.

## Upgrade Information

In order to upgrade from 2.00.05 to 2.00.08, the log configuration filter levels must be reset, because the migration added new log filter levels. If an upgrade is attempted from any previous version, the database configuration must be restored to factory defaults.

## Software Release 2.00.08 Enhancements

The following list identifies all 2.00.08 enhancements made since the release of Beta version 2.00.05. These items refer to incidents recorded in the Issue Management Utility.

- 1057 - System log configuration for DVB Scrambling not available
- 1060 - License Manager support (SNMP & GUI)
- 1062 - Log Manager loses all logs on reboot
- 1071 - EIS/ECMG port selection move from general to specific pages
- 1073 - Added setting to enable or disable SCG persistency
- 1078 - EIS: recommended CP duration overrule value incorrect
- 1090 - Licensing: bugs in initial licensing tests
- 1091 - Database: need to align db between scrambling/HEAD
- 1092 - Licensing: expired field not correctly updated
- 1093 - Licensing: settings are saved to the wrong settings file
- 1094 - Descriptor rule is not added when private data is empty
- 1095 - Operating timer - improve file integrity
- 1103 - Reduce scrambling log messages
- 1104 - Socket file descriptors lost when removing ECMG proxy
- 1109 - ECMG channel error message has corrupted information
- 1120 - VxWorks Patches
- 1123 - CW stream and ECM stream alarms have wrong instance value
- 1124 - Grey-out unsupported Gbe redundancy detection mode
- 1125 - WR stack provides second SNTP client
- 1128 - Log level defaults incorrect for new additions

## Known Issues

The following list identifies known limitations planned to be resolved as part of the April GA release. These limitations do not affect the VOD operating environment that UPC will deploy in Austria but are necessary enhancements for other system configurations. These items refer to incidents recorded in the Issue Management Utility.

- 999 - Bootrom updates
- 1055 - Unable to have more than 32 EIS rows
- 1065 - ONID is not configurable on QAM channel
- 1066 - Remove limitation of 1024 sessions
- 1072 - PCR, SI and ECM/EMM pids should not be scrambled
- 1075 - SCG provision with activation time does not work with UTC times
- 1080 - Change AC to an invalid AC can lead to a loss of ECM
- 1085 - Service lost at output on changing application mode of QAM channel
- 1098 - File system crashes when 25 ECMG connections are added at a time
- 1102 - Long log messages result in 2 log entries
- 1121 - Need to add SW control for discontinuity insertion
- 1122 - Adding/removing ECM group with activation time in future updates scrambling too early
- 1126 - AC delay timings applied 1 CP too late while update in CP extension
- 1129 - Changing priority of ECMG channel with highest priority reloads the stream
- 1140 - Add debounce to alarms/traps (specifically SCG provision, but extend to other alarms)
- 1141 - Allow overwrite of existing SCGs when backoffice doesn't remove first

For Information

## 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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