

Release notes SYGEG1-SYGEG1,SYGEG2

These release notes are applicable to the following modules:

- GEB990
- GEB950
- GEB900
- GEB550
- GEB500
- GEB880
- GEB840
- GEB800
- GEB440
- GEB400
- HEB990
- HEB950
- HEB900
- HEB550
- HEB500
- HEB880
- HEB840
- HEB800
- HEB440
- HEB400

Software version	1820
Hardware version	0100, 0101, 0200, 0300, 0301, 0400, 0401
Platform	SYGEG1,SYGEG2
Date	08-06-2015
Filename	GEBxxx-0100to0401-1820-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

Changed Note:
- Added S2020 Method A support.
- Fixed false triggering Embedder by ATC VANC packet in SD, resulting in corrupted audio in groups 2 till 4

Software version	1719
Hardware version	0100, 0101, 0200, 0300, 0301, 0400, 0401
Platform	SYGEG1,SYGEG2
Date	20-02-2015
Filename	GEBxxx-0100to0401-1719-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

Changed Note:
- Firmware is now compatible to run on SYGEG1 and SYGEG2 HW-Platforms
- Solved audio-phase misalignment in combination with some 3rd party de-embedder/embedder equipment.
- Audio Fade-Time minimum value is now set to 0ms.

Software version 1618
Hardware version 0100, 0101, 0200, 0300, 0301
Platform SYGEG1
Date 11-06-2014
Filename GEBxxx-0100to0301-1618-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

Changed Note:
- Solved Metadata issue: DropFrame @ 2^16 frames boundary
- Changed Present/Loss detection-time of Metadata: Present/Loss detection based on 2xSubframe1 = 80ms
- Metadata Present/Loss aligned with metadata outputs, start/stop at frame-base (no frame cuts)
- Audio Fade-Time step-size and minimum value is now set to 1ms.

Note:
- Audio Delay values changed from integers to floats, and thus needs to be set correctly again. These are not restored from previous software versions

Software version 1517
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 20-03-2013
Filename GEBxxx-0100to0300-1517-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

- Fixed: Freeze of card in Cortex and front-panel when rack is overloaded with events
- Added "0" to GPI status to indicate in nonLatch mode (level triggered) no gpi input is active.

Software version 1416
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 02-10-2012
Filename GEBxxx-0100to0300-1416-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

- Added Locked alarm
- Feature added: AutoPhaser-Status (only available when locked to reference):
Phaser_H_Pos -> shows the distance measured in samples of the autophaser write-to-read timing (SDI-Input-to-Ref timing).
Phaser_Stat -> Shows status of autophaser: NA, Safe, Warning, Critical
- Fixed: correct response when using with ntp message broadcast via ERC
- Added feature Audio Delay is now in Preset, and Preset controlled by video format

Software version 1314
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 07-06-2012
Filename GEBxxx-0100to0300-1314-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

- 3G Level-B Support
- Fixed 2 audio sample delay between Grp1/2 and Grp3/4
- G/HEB 9/5 series: TWINS Mode: Card delay is 4 lines per channel, and 1 line when video delay is bypassed.
- Single-Input Mode: Card delay is 7 lines, and 1 line when video delay is bypassed.
- G/HEB 8/4 series: Card delay is 1 line.

Software version 1212
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 14-12-2011
Filename GEBxxx-0100to0300-1212-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

- Fixed: Embedding multiple groups in 1080psf23,98 video format

Software version 1111
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 05-10-2011
Filename GEBxxx-0100to0300-1111-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

- Changed range audio gains to [-144, +12] dB
- Added CRC events for SDI inputs
- Added Silence events for local audio inputs

Software version 1010
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 23-06-2011
Filename GEBxxx-0100to0300-1010-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

- Added Silence alarm events for local audio inputs

Software version 0910
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 06-12-2010
Filename GEBxxx-0100to0300-0910-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

- Fixed: Embedding in 3G
- Fixed: Possible artifacts while switching between sources when locked to ref
- Added: setting Delay-Bypass for minimal processing delay (approx. 2 lines in single mode, 1 line for twins mode)
- Added Silence detection for audio

Software version 0809
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 08-10-2010
Filename GEBxxx-0100to0300-0809-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500, GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500, HEB880, HEB840, HEB800, HEB440, HEB400

- Fixed: stabilised main pll circuit which could cause crc errors/green flashes on the output

Software version 0304
Hardware version 0100, 0101, 0200, 0300
Platform SYGEG1
Date 18-05-2010
Filename GEBxxx-0100to0300-0304-service.zip

This firmware is applicable for:
GEB990, GEB950, GEB900, GEB550, GEB500,
GEB880, GEB840, GEB800, GEB440, GEB400,
HEB990, HEB950, HEB900, HEB550, HEB500,
HEB880, HEB840, HEB800, HEB440, HEB400

First Release