

# Release notes SYGEG1-SYGEG1,SYGEG2

These release notes are applicable to the following modules:

- GRB100
- HRB100

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<b>Software version</b>	0811
<b>Hardware version</b>	0100, 0101, 0200, 0300, 0301, 0400, 0401
<b>Platform</b>	SYGEG1,SYGEG2
<b>Date</b>	31-03-2015
<b>Filename</b>	GRB1xx-0100to0401-0811-service.zip

This firmware is applicable for: GRB100,HRB100

**Changed Note:**

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

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<b>Software version</b>	0709
<b>Hardware version</b>	0100, 0101, 0200, 0300, 0301
<b>Platform</b>	SYGEG1
<b>Date</b>	16-06-2014
<b>Filename</b>	GRB1xx-0100to0301-0709-service.zip

This firmware is applicable for: GRB100,HRB100

**Changed Note:**

- Solved Metadata issue: DropFrame @ 2<sup>16</sup> frames boundary
- Solved "robotic-sound" when switching SDI-sources without a SMPTE-DBN-counter inserted
- 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
- If Preset-Control="GPI+LossDetect" -> GPI-Control MUST be set to "Latch" (edge-triggered) for correct function of LossDetect

**Software version** 0608  
**Hardware version** 0100, 0101, 0200, 0300  
**Platform** SYGEG1  
**Date** 31-07-2013  
**Filename** GRB1xx-0100to0300-0608-service.zip

This firmware is applicable for: GRB100,HRB100

- Changed Metadata Infrastructure, every Metadata Destination now has a Metadata Source-selector  
Metadata Sources can now be directly assigned to Destinations without going through the MetadataShuffler
- Added Dolby Metadata Source Selectors: Shuffler\_MD\_Src, S2020Emb\_MD\_Src, LocalOut\_MD\_Src and MD\_Status\_Src
- Added Shuffler\_MD\_Src, S2020Emb\_MD\_Src and LocalOut\_MD\_Src to the Main-Preset
- Added Dolby Metadata Infrastructure Blockdiagram in Cortex
- Resolution of the Audio Delay Settings has changed from ms into us (stepsize in menu is still 1 ms, resolution = 20,8us (48kHz audio))
- Moved Audio Delay Settings into the Main-Preset
- Added LossDetect item in the Preset settings: Control and MD-Control
- Added "S2020-SDID" and "ProgramConfig" to setting Detect and #MetaDet to switch to predefined preset according to value of programconfig or SDID value.

[S2020-SDID:  
00 (None) -> Preset 8;  
01 (Ch01/02) -> Preset 8;  
02 (Ch03/04) -> Preset 9;  
03 (Ch05/06) -> Preset 10;  
04 (Ch07/08) -> Preset 11;  
05 (Ch09/10) -> Preset 12;  
06 (Ch11/12) -> Preset 13;  
07 (Ch13/14) -> Preset 14;]  
[ProgramConfig:  
7,1 -> Preset 8;  
5,1+2 -> Preset 9;  
5,1 -> Preset 10;  
4x2 -> Preset 11;  
3x2 -> Preset 12;  
2+2 -> Preset 13;  
Other -> Preset 14;]

- Added "0" to GPI status to indicate in nonLatch mode (level triggered) no gpi input is active.
- S2020 De-embedder Setting Extract Associated Channel (Extract\_Ass\_Ch) is now working correctly for all Channels
- Added Level-B mapping status-items for SD11 and SD12 (Input Status Only)

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  
- If Preset-Control="GPI+LossDetect" -> GPI-Control MUST be set to "Latch" (edge-triggered) for correct function of LossDetect

**Software version** 0506  
**Hardware version** 0100, 0101, 0200, 0300  
**Platform** SYGEG1  
**Date** 24-09-2012  
**Filename** GRB1xx-0100to0300-0506-service.zip

This firmware is applicable for: GRB100,HRB100

- 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

**Software version** 0405  
**Hardware version** 0100, 0101, 0200, 0300  
**Platform** SYGEG1  
**Date** 25-04-2012  
**Filename** GRB1xx-0100to0300-0405-service.zip

This firmware is applicable for: GRB100,HRB100

- Solved: Muted audio on a E-encoder when manipulating the metadata using the metadata-shuffler
- Updated the metadata-shuffler (Dolby-E Complete gain-values are set to default: 0.00 dB)

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**Software version** 0404  
**Hardware version** 0100, 0101, 0200, 0300  
**Platform** SYGEG1  
**Date** 25-10-2011  
**Filename** GRB1xx-0100to0300-0404-service.zip

This firmware is applicable for: GRB100,HRB100  
- Changed range audio gains to [-144, +12] dB  
- Added CRC events for SDI inputs  
- Fixed Embedding in 1080p23,98 video formats

Updated ATC-Embedder block: When ATC-Packets are not correctly placed in HANC/VANC at SDI-Input, or when more than 1 ATC-Packets is present within SDI in HANC and VANC at the same time, the ATC-Embedder duplicated these wrong-placed-packets. This duplication is solved.

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**Software version** 0303  
**Hardware version** 0100, 0101, 0200, 0300  
**Platform** SYGEG1  
**Date** 18-03-2011  
**Filename** GRB1xx-0100to0300-0303-service.zip

This firmware is applicable for: GRB100,HRB100  
- Added Metadata Status  
- Disabled smooth fade mux for non pcm audio  
- Added Enh AC3 audio format (DD+)

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**Software version** 0101  
**Hardware version** 0100, 0101, 0200, 0300  
**Platform** SYGEG1  
**Date** 08-12-2010  
**Filename** GRB1xxx-0100to0300-0101-service.zip

This firmware is applicable for:  
GRB100,HRB100

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