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## KS-900 / KS-910

### FIRMWARE VERSION: 4.00

Release date: 2010-10-10

#### BUGFIXES

Ref#	Description
<a href="#">33387</a>	HDMI Output 5.1: LFE and Center are not assigned to the right channels.
<a href="#">34757</a>	Teletext persistence default time is wrong.
<a href="#">34746</a>	Bad digital values when OSD is activated regarding EIA-CEA-861D.
<a href="#">34673</a>	When scaler is in OFF mode, AFD conditions make the video freeze.
<a href="#">37190</a>	ALM/TC are no longer reporting correctly
<a href="#">33169</a>	ALM/TC/CC/AFD/etc detection stopped working
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#### ENHANCEMENTS & NEW FEATURES

Bug#	Description
<a href="#">36681</a>	Full screen loudness histogram representation.
<a href="#">36682</a>	Subtitling (CC608 Legacy support).
<a href="#">36683</a>	Improved loudness measurements.
<a href="#">33115</a>	Improved true peak measurement.
<a href="#">36684</a>	Standard loudness template: EBU R128-2010, EBU R128-2011, ATSC A/85 ITU BS.1770-1, ATSC A/85 ITU BS.1770-2, ARIB TR-B32.
<a href="#">36685</a>	Offline capture automation (EOM/SOM).
<a href="#">35396</a>	Loudness control support via XML Gateway.
<a href="#">36686</a>	Optional logging capabilities via iControl or iControl Solo.
<a href="#">36687</a>	V-CHIP / CAD (RP-207) Support.
<a href="#">36688</a>	Menu navigation through web browser.
<a href="#">36689</a>	Configurable monitor power saving when there is not valid input



## KNOWN BUGS & LIMITATIONS

<b>Bug#</b>	<b>Description</b>
<a href="#">26248</a>	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s).
<a href="#">28091</a>	Test pattern not available when there is no video input.
<a href="#">28106</a>	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
<a href="#">27723</a>	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
<a href="#">28107</a>	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
<a href="#">28133</a>	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
<a href="#">32897</a>	Graphic (alarm) video border not aligned with SDI=1280x720p displayed on monitor with aspect ratio smaller than 16:9.
<a href="#">32893</a>	Graphic (alarm) video border not aligned with video for SD 4:3_8 displayed on widescreen monitor.
<a href="#">33172</a>	Video tearing when video is scaled down through video scaler menu and 3:2 pull-down is applied (e.g.: input is 1080p23.98, output is 1080p59.94, scaler at 20%, image position to center).
<a href="#">35918</a>	Audio status shows "PCM" instead "Dolby E" in some cases.
<a href="#">36652</a>	QualisAudio Test #3 and #4 fails.



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## FIRMWARE VERSION: 3.00

Release date: 2011-09-13

### BUGFIXES

Ref#	Description
<a href="#">30005</a>	3 Gb/s Level B dual streams is not reported as an unsupported format and should be. - Screen goes purple with an error message.
<a href="#">29286</a>	Font too small inside loudness meter. - New loudness histogram.
<a href="#">27005</a>	Scaler does not react to AFD input. - Automatic AFD selectable through menu.
<a href="#">28089</a>	RALM does not react when the internal test-pattern is activated. - ALMs are removed when test pattern is on to eliminate confusion.
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### ENHANCEMENTS & NEW FEATURES

Bug#	Description
<a href="#">29286</a>	New loudness histogram representation.
<a href="#">32561</a>	Subtitling (608, 708, Teletext, OP-47).
<a href="#">32322</a>	Video scaling size and positioning options.
<a href="#">31547</a>	HDMI 5.1 audio support.
<a href="#">32451</a>	Configurable presets.
<a href="#">31738</a>	Configurable GPIOs (2 inputs, 1 output).
<a href="#">28938</a>	Support Dynamic UMD via ETH controlled by third parties AND static text through menu.
<a href="#">31896</a>	Input format now appears in OSD.
<a href="#">32000</a>	Support for optional remote control.
<a href="#">32093</a>	Copy profile support through web page.
<a href="#">32929</a>	Possibility to disable input video for loudness monitoring.



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Bug#	Description
<a href="#">26248</a>	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s).
<a href="#">28091</a>	Test pattern not available when there is no video input.
<a href="#">28106</a>	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
<a href="#">27723</a>	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
<a href="#">28107</a>	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
<a href="#">28133</a>	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
<a href="#">32897</a>	Graphic (alarm) video border not aligned with SDI=1280x720p displayed on monitor with aspect ratio smaller than 16:9.
<a href="#">32893</a>	Graphic (alarm) video border not aligned with video for SD 4:3_8 displayed on widescreen monitor.
<a href="#">33172</a>	Video tearing when video is scaled down through video scaler menu and 3:2 pull-down is applied (e.g.: input is 1080p23.98, output is 1080p59.94, scaler at 20%, image position to center).
<a href="#">33387</a>	HDMI Output 5.1: LFE and Center are not assigned to the right channels.
<a href="#">34757</a>	Teletext persistence default time is wrong.
<a href="#">34746</a>	Bad digital values when OSD is activated regarding EIA-CEA-861D.
<a href="#">34673</a>	When scaler is in OFF mode, AFD conditions make the video freeze.



## FIRMWARE VERSION: 2.02

Release date: 2011-01-25

### BUGFIXES

Ref#	Description
<a href="#">28160</a>	Audio status of channel 1-2 is always reported as PCM when downmix is enabled
<a href="#">27980</a>	There is no way to change the IP address. The ETH connection is for update only
<a href="#">28104</a>	Downmix: Should overwrite the selected output pair instead of only the channel 1&2
<a href="#">28703</a>	Field merge is not properly applied in 23/24PsF
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### ENHANCEMENTS & NEW FEATURES

Bug#	Description
<a href="#">28938</a>	Support Dynamic UMD via ETH controlled by third parties.
<a href="#">28945</a>	New ALM types.
<a href="#">29580</a>	TruePeak ALM selection.
<a href="#">29584</a>	Loudness measurement follows EBU & A85 recommendations.
<a href="#">29929</a>	Anti-Alias font when transparency is enabled.
<a href="#">27963</a>	3Gb/s level B (1080p).
<a href="#">29852</a>	More intuitive menu.

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<a href="#">26248</a>	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s).
<a href="#">28091</a>	Test pattern not available when there is no video input.
<a href="#">28089</a>	RALM does not react when the internal test-pattern is activated.
<a href="#">28106</a>	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
<a href="#">27723</a>	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
<a href="#">27005</a>	Scaler does not react to AFD input.
<a href="#">28107</a>	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
<a href="#">28133</a>	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
<a href="#">30005</a>	3Gb/s Level B dual stream is not reported as an unsupported format and should be.
<a href="#">29286</a>	Font too small inside loudness meter.



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## FIRMWARE VERSION: 101 (C101B001-F101B132-M102B1248)

Release date: 2010-07-26

### BUGFIXES

Ref#	Description

### ENHANCEMENTS & NEW FEATURES

Bug#	Description

### KNOWN BUGS & LIMITATIONS

Bug#	Description
<a href="#">26248</a>	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s)
<a href="#">28091</a>	Test pattern not available when there is no video input
<a href="#">28160</a>	Audio status of channel 1-2 is always reported as PCM when downmix is enabled
<a href="#">28089</a>	RALM does not react when the internal test-pattern is activated
<a href="#">28106</a>	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor , the useful image does not fill the screen as expected
<a href="#">27723</a>	Pixels lost when input resolution is bigger than the output resolution and the scaler is off
<a href="#">27005</a>	Scaler does not react to AFD input
<a href="#">28107</a>	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected
<a href="#">28133</a>	Problem with DELL 1909W monitor (1440x900)
<a href="#">27980</a>	There is no way to change the IP address. The ETH connection is for update only
<a href="#">28104</a>	Downmix: Should overwrite the selected output pair instead of only the channel 1&2