



KS-900 / KS-910

NOTE: The iControl compatibilities shown below are estimated initial support. iControl versions that are older than those specified may prevent the GUI from opening or may work with bugs and limited features.

FIRMWARE VERSION: [5.10](#)

Release date: [2016-04-22](#)

iControl compatibility: [4.40 \(build 30\) and up](#)

iControl Solo compatibility: [4.40 \(build 30\) and up](#)

RCP-200 compatibility: [Not Supported](#)

Custom software compatibility: [N/A](#)

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

BUGFIXES

Ref#	Description
KS9XX-611	Incorrect interpretation of Danish, Norwegian and Romanian subtitles.
KS9XX-613	Timecode status in Metadata->Timecode is erroneous.

ENHANCEMENTS & NEW FEATURES

Bug #	Description
KS9XX-611	Subtitling font having better cyrillic support.
KS9XX-612	Support TSL UMD protocol v5.0.



KNOWN BUGS & LIMITATIONS

Bug#	Description
KS9XX-610	Supports only 1 font (e.g: no mixed size subtitling)
26248	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s).
28091	Test pattern not available when there is no video input.
28106	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
27723	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
28107	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
28133	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
32897	Graphic (alarm) video border not aligned with SDI=1280x720p displayed on monitor with aspect ratio smaller than 16:9.
32893	Graphic (alarm) video border not aligned with video for SD 4:3_8 displayed on widescreen monitor.
36652	QualisAudio #4 fails.
37996	HDMI may contain audio info frame with bad channel number or assignment.



Release Note

FIRMWARE VERSION: [5.06](#)

Release date: [2015-07-14](#)

iControl compatibility: [4.40 \(build 30\) and up](#)

iControl Solo compatibility: [4.40 \(build 30\) and up](#)

RCP-200 compatibility: [Not Supported](#)

Custom software compatibility: [N/A](#)

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

BUGFIXES

Ref#	Description

ENHANCEMENTS & NEW FEATURES

Bug #	Description
KS9XX-607	Reintroduction of the classic compact loudness meter.



KNOWN BUGS & LIMITATIONS

Bug#	Description
KS9XX-610	Supports only 1 font (e.g: no mixed size subtitling)
26248	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s).
28091	Test pattern not available when there is no video input.
28106	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
27723	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
28107	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
28133	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
32897	Graphic (alarm) video border not aligned with SDI=1280x720p displayed on monitor with aspect ratio smaller than 16:9.
32893	Graphic (alarm) video border not aligned with video for SD 4:3_8 displayed on widescreen monitor.
36652	QualisAudio #4 fails.
37996	HDMI may contain audio info frame with bad channel number or assignment.



FIRMWARE VERSION: [5.04](#)

Release date: [2014-11-12](#)

iControl compatibility: [4.40 \(build 30\) and up](#)

iControl Solo compatibility: [4.40 \(build 30\) and up](#)

RCP-200 compatibility: [Not Supported](#)

Custom software compatibility: [N/A](#)

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

BUGFIXES

Ref#	Description
KS9XX-593	Bad audio status info and meter stability displayed level.
KS9XX-603	Subtitling (708) not displaying correctly.
	...

ENHANCEMENTS & NEW FEATURES

Bug#	Description
KS9XX-604	Reintroduction of a single small loudness meter.
KS9XX-606	Support of 2 XML Gateway connections
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KNOWN BUGS & LIMITATIONS

Bug#	Description
26248	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s).
28091	Test pattern not available when there is no video input.
28106	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
27723	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
28107	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
28133	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
32897	Graphic (alarm) video border not aligned with SDI=1280x720p displayed on monitor with aspect ratio smaller than 16:9.
32893	Graphic (alarm) video border not aligned with video for SD 4:3_8 displayed on widescreen monitor.
36652	QualisAudio #4 fails.
37996	HDMI may contain audio info frame with bad channel number or assignment.



FIRMWARE VERSION: [5.01](#)

Release date: [2014-03-21](#)

iControl compatibility: [4.40 \(build 30\) and up](#)

iControl Solo compatibility: [4.40 \(build 30\) and up](#)

RCP-200 compatibility: [Not Supported](#)

Custom software compatibility: [N/A](#)

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

ENHANCEMENTS & NEW FEATURES

Bug#	Description
NA	Bootloader updated to support board revision "0010". Note for version 5.00 users : no need to update your unit since no features introduced.

KNOWN BUGS & LIMITATIONS

Bug#	Description
26248	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s).
28091	Test pattern not available when there is no video input.
28106	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
27723	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
28107	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
28133	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
32897	Graphic (alarm) video border not aligned with SDI=1280x720p displayed on monitor with aspect ratio smaller than 16:9.
32893	Graphic (alarm) video border not aligned with video for SD 4:3_8 displayed on widescreen monitor.
36652	QualisAudio #4 fails.
37996	HDMI may contain audio info frame with bad channel number or assignment.



FIRMWARE VERSION: [5.00](#)

Release date: [2013-05-14](#)

BUGFIXES

Ref#	Description
37915	No Signal Detect (NSD) status detects invalid silence.
36652	QualisAudio Test #3.
33172	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).
35918	Audio status shows "PCM" instead "Dolby E" in some cases.
	...

ENHANCEMENTS & NEW FEATURES

Bug#	Description
37886	Video: No need to use presets for aspect ratio code extraction when switching from SD to HD/3G.
32621	Audio: Dolby-E VU extraction without decoding.
38017	Audio: Downmix VU.
37559	Audio: Force PCM channel status (configurable through web page) (experimental).
36632	Audio: Simultaneous loudness measurement widget updated.
37932	Aspect ratio: customisable names.
37168	Aspect ratio: detecting and reporting missing code.
37683	Subtitling: Teletext now supports double-size font.
37594	Jitter: Improve input jitter tolerance (configurable through web page) (experimental).



KNOWN BUGS & LIMITATIONS

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28106	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
27723	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
28107	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
28133	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
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32893	Graphic (alarm) video border not aligned with video for SD 4:3_8 displayed on widescreen monitor.
36652	QualisAudio #4 fails.
37996	HDMI may contain audio info frame with bad channel number or assignment.



FIRMWARE VERSION: [4.00](#)

Release date: [2012-07-10](#)

BUGFIXES

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

ENHANCEMENTS & NEW FEATURES

Bug#	Description
36681	Full screen loudness histogram representation.
36682	Subtitling (CC608 Legacy support).
36683	Improved loudness measurements.
33115	Improved true peak measurement.
36684	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.
36685	Offline capture automation (EOM/SOM).
35396	Loudness control support via XML Gateway.
36686	Optional logging capabilities via iControl or iControl Solo.
36687	V-CHIP / CAD (RP-207) Support.
36688	Menu navigation through web browser.
36689	Configurable monitor power saving when there is not valid input



KNOWN BUGS & LIMITATIONS

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



FIRMWARE VERSION: [3.00](#)

Release date: [2011-09-13](#)

BUGFIXES

Ref#	Description
30005	3 Gb/s Level B dual streams is not reported as an unsupported format and should be. - Screen goes purple with an error message.
29286	Font too small inside loudness meter. - New loudness histogram.
27005	Scaler does not react to AFD input. - Automatic AFD selectable through menu.
28089	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
29286	New loudness histogram representation.
32561	Subtitling (608, 708, Teletext, OP-47).
32322	Video scaling size and positioning options.
31547	HDMI 5.1 audio support.
32451	Configurable presets.
31738	Configurable GPIOs (2 inputs, 1 output).
28938	Support Dynamic UMD via ETH controlled by third parties AND static text through menu.
31896	Input format now appears in OSD.
32000	Support for optional remote control.
32093	Copy profile support through web page.
32929	Possibility to disable input video for loudness monitoring.



KNOWN BUGS & LIMITATIONS

Bug#	Description
26248	CRC errors over time on BNC/SFP outputs when input is a pathological test pattern (3Gb/s).
28091	Test pattern not available when there is no video input.
28106	With an SD letter box input going to a 1920x1200 or 1920x1080 monitor, the useful image does not fill the screen as expected.
27723	Pixels lost when input resolution is bigger than the output resolution and the scaler is off.
28107	With a pillar box HD input going to a 1920x1200, the useful image does not fill the screen as expected.
28133	Problem with DELL 1909W monitor (1440x900), monitor does not sync to the HDMI signal.
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33172	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).
33387	HDMI Output 5.1: LFE and Center are not assigned to the right channels.
34757	Teletext persistence default time is wrong.
34746	Bad digital values when OSD is activated regarding EIA-CEA-861D.
34673	When scaler is in OFF mode, AFD conditions make the video freeze.



FIRMWARE VERSION: [2.02](#)

Release date: [2011-01-25](#)

BUGFIXES

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

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

KNOWN BUGS & LIMITATIONS

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



FIRMWARE VERSION: 101 (C101B001-F101B132-M102B1248)

Release date: [2010-07-26](#)

BUGFIXES

Ref#	Description

ENHANCEMENTS & NEW FEATURES

Bug#	Description

KNOWN BUGS & LIMITATIONS

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