grass valley
A **BELDEN** BRAND

HCO-1822 – Upgrade Package 1.1.2

Upgrade Package Release History

Release Version	Comprising:		Release Date	Version Details	User Manual for this release (Miranda document #)
	Firmware Version	Software Version			
1.1.2	1.1.2	1.1.2	2014.06.27	(go)	M955-9900-120
1.0.9	1.0.9	1.0.9	2012.10.15	(go)	M955-9900-109
1.0.8	1.0.8	1.0.8	2012-09-07	(go)	M955-9900-108
1.0.7	1.0.7	1.0.7	2012-09-07	(go)	M955-9900-107
1.0.6	1.0.6	1.0.6	2012-01-25	(go)	M955-9900-106
1.0.5	1.0.5	1.0.5	2011-10-04	(go)	M955-9900-105
1.0.4	1.0.4	1.0.4	2011-06-13	(go)	M955-9900-104

NOTES: The iControl compatibilities shown below are officially supported by Miranda. Earlier versions may also work, with bugs or limited features.
The Reference number (Ref#) given for each feature or bug in these Release Notes refers to internal Miranda documentation.

VERSION: 112

Release date: 2014-06-27

iControl compatibility:

iControl Solo compatibility:

RCP-200 compatibility: N.A.

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

Bug#	Description
HCO1822-71	**False ASI Detection**
38185	**Remove CRC error from video error detection**

VERSION: 109

Release date: 2012-10-15

iControl compatibility: 4.00

iControl Solo compatibility: 4.00

RCP-200 compatibility: N.A.

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

Bug#	Description
001-00-009953	**SDI output high frequency jitter (100 kHz) is over 0.2 UI** In cleanswitch mode, when an SDI input is disconnected (the one not currently selected), the SDI output high frequency jitter goes outside of the 0.2 UI spec.

VERSION: 108

Release date: 2012-09-07

iControl compatibility: 4.00

iControl Solo compatibility: 4.00

RCP-200 compatibility: N.A.

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

Bug#	Description
001-00-008836	**SDI output low frequency jitter (<10 Hz) is over 1 UI** In cleanswitch mode, the SDI output low frequency jitter is too high (over the 1 UI spec), and causes timing jitter errors on a Phabrix SX analyzer. There were low frequency hits in the output jitter.

VERSION: 107

Release date: 2012-09-07

iControl compatibility: 4.00

iControl Solo compatibility: 4.00

RCP-200 compatibility: N.A.

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

Bug#	Description
36909	**protection to avoid a false switch on backup** When input 2 is recovering from a video error, we have to wait for the Freeze or Black Set Duration time before allowing a switch on the backup input. This Protection is on only when the Freeze and/or Black Prob is active for the switch decision.

VERSION: 106

Release date: 2012-01-25

iControl compatibility: 4.00

iControl Solo compatibility: 4.00

RCP-200 compatibility: N.A.

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

Bug#	Description
001-00-007229	**Freeze or black condition on input1 does not trigger a switch to input2** To reproduce the problem, we need to unplug and re-plug input2 (probably any serious error would do). Clean switch option must be enabled. Problem simulated in SD but probably also occurring in HD.

VERSION: 105

Release date: 2011-10-04

iControl compatibility: 4.00

iControl Solo compatibility: 4.00

RCP-200 compatibility: N.A.

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

Bug#	Description
001-00-006077	**Embedded audio parity error** When the ALC processing was enabled, the embedded audio parity was not correct, and WFM's detected a parity error. The audio parity is now calculated properly.

VERSION: 104

Release date: 2011-06-13

iControl compatibility: 4.00

iControl Solo compatibility: 4.00

RCP-200 compatibility: N.A.

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

Bug#	Description
31583	**Cards may freeze after 30-60 mins** The card may become irresponsive after 15 to 60 minutes and sometimes much longer. In all cases, iControl will not be able to communicate with the card and the card will not switch when alarms occur.
30452	**First manual switch by GPI is not clean when in Auto switch mode** When the card is in auto switch mode, the first manual switch triggered by GPI is not "clean" with respect to the switch line.