Project Name	Released By	SW Build Numbers	Release From Test Date
CORIOmatrix	David Reynaga	M144.1 (firmware) 1.36 (Control SW)	30/07/2010

Release Description

This release that focuses new features, improvement in performance and addresing bugs relating to CORIOmaster and CORIOmatrix

A complete list of new features and bugs (FIXED and the some still present) that have been addressed is listed below,

Release Type	
Formal release - some known issues listed below	

Release Date	*Release note since build 133 (30/07/2012)*
30/11/2012	

New Features Included In Release

Both CORIOmaster and CORIOmatrix

- **NEW INPUT Module:** HDSDI x 4 input card
- **3G SDI IN / OUT module** support (Audio and Video) - Audio (matrix only)
- **IP control,** integrator can control system via IP - PLEASE NOTE instructions / limitations below
- **Boot up time** has been reduced (Approx. 50%)
- **New resolutions supported:** 1400x1050p50 / p60 resolutions
- **Performance improvements:** Speeding up of loading of settings (our reference went from 3 mins to 11 sec)

CORIOmatrix only - NEW FEATURES

- SDI / HDSDI / 3G SDI / HDMI Audio support - full audio matrix functionality embedding / deembedding of audio / routing
- Dynamically read the resolution table from all slots except the audio card and as the output resolution selection list
- Resolution changes match the aspect ratio
- During edit input/output configuration form alias item, only allow alias name contain characters, numbers and underscore.
- Added "Factory reset" to clear all user setting and back to factory default setting
- Modify the monitor card input select list display as alias name
- Added the IP Gateway setting in IP edit form
- Modify the functions to display audio selection list display as alias name in input/output setting and audio connecting list
- Fixed the monitor card audio matrix display after refresh the audio link

Defects Resolved With This Release

Bug Number	Description (these bugs have been tested and CLOSED)
799518	Renamed presets: new name does not persist - re-loading these presets loads default name (Intronics)
799521	4IN HDSDI CARDS: Some Lights not working 100% on initial sample
799451	Colour Space adjustment on SDI input settings window
799452	'Unhandled exception' when routing SDI audio to an HDMI 'Breakaway' output.
799453	Matrix: No audio on Inputs 3 and 4 of a 4x HD-SDI Input module.
799461	CORIOmax function does not show Serial number or Backplane number
799469	YUV input at SD equivalent resolutions not working
799471	1.1.57 does not work....'Unhandled exception'
799473	Rotated Windows in SE software (1.133.4.3) not matching Output image.
799474	Matrix: Analogue Audio Input not working in M135/136
799479	CORIOmaster very slow to load settings
799482	IP drops out
799483	Addition of 1400x1050 resolutions
799485	Send IP command via IP - returns on RS232 - IP "channels"
799486	IP "multiple command lines"
799487	Matrix: Reinstate audio capabilities of Monitor Module in Matrix software
799488	Matrix: SDI input modules should be automatically added to Audio Matrix
799489	Audio matrix GUI is not updating when audio sources are added or removed.
799422	Matrix switching one output caused different output genlock to fail (132)
799426	Matrix: 133 Matrix - no audio on SDI input cards
799427	Monitor Module aliases are not updated on Audio View
799429	SDI and HDMI audio causing interference on Output 2 when down scaling is required.
799430	Large SDI Matrix phase training issues
799431	133 Matrix - Only 1x stereo pair being embedded into HDMI output
799432	133: Default IP address should be different
799435	133 Possible RS232 data corruption?
799438	Black-level boost not working
799398	Power on issue
799399	Non-unique MAC addresses

799402	Matrix: Auto and manual Aspect Ratio not working on DVI outputs.
799405	Matrix: HDMI sources missing from Audio Matrix Tab when Monitoring Module is installed (M127 + 1.1.45)
799501	Matrix: SDI 2-4 input card need audio on/off flag
799502	4x HD-SDI Input module causes problems with 'System Constraints' on a C3-540
799536	CORIOmaster Off Axis Projection Correction
799539	Problems installing new firmware, no feedback in command line
799541	Able to select the same source for multiple windows on the Monitor Output
799542	No Gateway settings in the Matrix UI.
799346	Test entry for CORIOmax Bugtrack
799350	Matrix: YC Output randomly goes black and white
799354	PAL and NTSC offset on 4:3 Aspect Ratio Output (M113C)
799355	Matrix: Overriding Output Auto Aspect (M113C)
799357	Matrix: YC/CV Auto Colour Space Issue on a C3-340 (M113C)
799358	Lose connection when switching between IP to RS232 and back
799359	Window sizes >8191 give scaling errors
799360	Matrix: PAL and NTSC equivalent resolutions missing (1.1.40)
799363	Border Layer Issue
799367	No ethernet Gateway setting
799368	Colour space swapping on YPbPr 720p Input
799372	Left and Right audio reversed on the headphone socket of the audio module.
799376	SE 1.106.4.2 software does not recognise SDI cards
799384	Curved top-edge of video within a window sometimes shown
799386	Matrix: Aliases not being overwritten reliably M126 + 1.1.45
799387	Matrix: Refresh Status has stopped working (1.1.45.26257)
799417	132 CORIOmatrix SDI must only be set to valid resolutions when source is HDCP
799406	Phase training error detection
799366	Matrix: No Output Gamma control in Matrix Software
799392	SDI HDCP Output compliance (Matrix) M126 +1.1.45
799395	CORIOmaster corrupt line at bottom of windows with interlaced input
799445	133: Reload of settings takes too long (~6 minutes)
799457	Master: Relative window/output rotation miss-match
799523	When changing input signal (i.e. NTSC to PAL) the output screen flickers until the adjustments have been made
799524	When input signal is a DVD, currently have a band of information outside of the screen size
799503	Matrix: Audio SDI output channels 1 and 2 are duplicated on channels 3 and 4
799517	Backplane number not being displayed through the CPU
799407	'Please remove module' error reports Hexadecimal module #
799352	Matrix: YUV Output Auto Colour Scale not working correctly (M113C)
799348	Matrix: PAL and NTSC YUV Analogue Type error
799379	RGB 601/709 settings (wrong?)
799547	Matrix: Source Aliases are not displayed in all Audio selection menus

Defects Not Resolved With This Release

799388	Matrix: Able to Log into Matrix far too early with GUI -
799408	Some analogue issues not displaying correctly / flicking dark / light
799546	Matrix: Disappearing Output audio bars on Monitor output - can re-enable manually
799557	Source Resolution in Master UI appears to be stuck on 1080p60
799526	Component input - currently does not show correct stable output, changing the input settings does not improve the image

Installation Instructions

Please create save your Setup settings and presets to USB (you will be able to load these up after the upgrade)
If YOU DO NOT save your settings all settings will be LOST - therefore create a backup of your setting prior to release
For instructions please see document "Loading new CORIOmax firmware"

Points of contact

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IP control - current limitations

IP configuration is set to STATIC only
Default IP address is 192.168.0.10
You can only change the IP settings whilst connected via RS232 (you can change IP address, Gateway, Subnet) - you can adjust for your network
You can have IP and RS232 connected at the same time