



Part Number: M785-0203-115

Please read this notice carefully before upgrading your Kaleido-Alto, Kaleido-Quad, or Kaleido-Quad-Dual

The Kaleido-Alto-HD provides 10 auto-sensing inputs capable of detecting HD-SDI, SD-SDI as well as composite video signal. The Kaleido-Quad-HD and Kaleido-Quad-Dual-HD are scaled-down versions of the Kaleido-Alto-HD, with only 4 inputs. This software release (version 3.31) resolves minor issues, and is compatible with KEdit version 5.22, 5.30 MR2, 5.40 or higher. An updated online documentation set for KEdit is included since version 3.30. Please refer to the `ReadMeFirst.txt` file located under `Kaleido-Alto-Quad V3.31\Software Backup`, on the Kaleido-Alto/Quad/Quad-Dual CD-ROM. Among other important information, the `ReadMeFirst` file explains how to install the updated KEdit documentation (if you have not had a chance to do it already).

Before proceeding with the upgrade, make sure your Kaleido-Alto/Quad/Quad-Dual CompactFlash card has at least 15 MB of free space. This information is available in the **System Status** window of the Kaleido-Alto/Quad/Quad-Dual. On the **K-Alto**, **Quad** or **Quad-Dual** menu, click **Status** to view the **System Status** window.

If there is **not** enough free space on the CompactFlash (CF) card, there are two options:

- Purchase a higher-capacity CF card to avoid this problem in the future. Follow the software backup procedure to get started with the new card. The recommended models that have been tested by Miranda are listed below.

SanDisk CompactFlash

Model Number	Capacity
SDCFJ-64-388	64.2 MB
SDCFJ-128-388	128.4 MB
SDCFJ-256-388	256.9 MB
SDCFJ-512-388	512.5 MB
SDCFJ-1024-388	1024.9 MB

- Proceed with a manual upgrade and follow the software backup procedure (in this case you don't need 15 MB of free space).

The software backup procedure is described in the `ReadMe.txt` file located under `Kaleido-Alto-Quad V3.31\Software Backup`, on the Kaleido-Alto/Quad/Quad-Dual CD-ROM.

NOTE: For the Kaleido-Alto/Quad cascade operation and configuration, please refer to the "Alto/Quad Cascade Step-by-Step Configuration Guide" (M785-0604-102) shipped on the Alto/Quad/Quad-Dual 3.31 CD-ROM.

Version 3.31

Fixes

- (B19597) The WSS information present on 625-line analog video signals is not decoded.

Version 3.30

New Features

- Support for the AFD (Video Index), WSS, and AFD (SMPTE 2016) video format descriptors.
- Automatic aspect ratio conversions: a video monitor's aspect ratio can be slaved to the input format; a video raster's aspect ratio can be set to follow AFD/WSS indicators.
- Support for bidirectional (v.g. Arabic) input in text labels and UMD text.
- Support of DVI input through the use of the KXI-DVI-Bridge device connected upstream to a Kaleido-Alto/Quad input.
- Two new input resolutions: **1080p 29.97Hz**, and **1080p 23.98Hz**.
- Ability to synchronize the unit's internal clock to an external NTP source.

Fixes

- (B9422) When using the optional Monitoring Output card in 10×1 mode to monitor an HD signal, switching to scan converter mode and then going back to 10x1 mode will make the signal disappear.
- (B14794) When using timing offsets larger than 15 hours you need to enter a different value in KEdit in order to obtain the proper offset on the Kaleido-Alto/Quad/Quad-Dual.
- (B15215) The `<setKAudioOut>` Gateway command does not work with input 10, neither for embedded nor for audio card inputs.
- (B18263) Alarms from the right embedded audio channel are not reported.
- (B18862) In a cascaded system, after opening the **System Status**, **Audio Settings**, or **Video Settings** window on the master unit, alarms from the slave units are not reported anymore.
- (B19046) Every action triggered by an Alarm Monitor could be performed repeatedly, if one of the actions involves loading a Layout.
- (B19099) GPI Out actions assigned to GPI Output 10 do not work.

Version 3.21

New Features

- Additional status information about the network configuration (DHCP or static IP address).

Fixes

- (B14426) After a change of resolution or a layout export, the Kaleido-RCP and the Kaleido-Alto/Quad/Quad-Dual may stop communicating with each other.
- (B14239) Overscan mode is not available with HD sources.
- (B15216) Analog audio "Gain" control is not functional.
- (B15215) An audio monitoring selection using a remote control command from the "Gateway" is not functional.
- (B9276) The following remote control commands from the "Gateway" do not send an ACK response:
 `<openID>IP_ADDRESS_0_4_0_0</openID>`
 `<openID>IP_ADDRESS</openID>`
- (B15473) It is possible to make audio monitoring selections that conflict with each other.
- (B15450) There are problems with short Ethernet cables (now any cable length is supported).

- **(B15454)** Alarms, channels, actions or audio scales exported with layouts from KEdit to a Kaleido-Alto/Quad may not synchronize properly.
- **(B13613 and B15526)** Loss of a dynamic UMD from TSL may occur when using channel assignments or changing view to full screen.

Version 3.20

New Features

- Support for the new Kaleido-Dual Quad series, which includes:
 - Kaleido-Quad-Dual-HD (HD/SD-SDI and Composite Dual Quad Split Processor w/redundant PSU)
 - Kaleido-Quad-S-HD-R (HD/SD-SDI and Composite Quad Split Processor w/redundant PSU)
- Shortcut to return to default resolution (1280 x 1024 @ 60 Hz):
Press **Ctrl+Alt+R** on a USB keyboard connected to the unit.

Fixes

- **(B14458)** Changing output resolution sometimes doesn't work (system returns to the default resolution of 1280 x 1024 @ 60 Hz).
- **(B14459)** Some output resolution timings are inexact.
- **(B14545)** Not able to select "PC in" audio input for audio monitoring output.
- **(B14804)** TSL service, Andromeda service and any Remote Control Commands cannot trigger tallies.
- **(B14805)** Potential problem (crashes) when using Gateway alarms and texts with the same addresses within a layout.
- **(14832)** White dots in the Analog clock don't display properly.

Version 3.10

New Features

- Kaleido-Alto/Quad/Quad-Duals can now be configured to operate in cascade mode for up to 30 inputs on one display.
- **(B12633)** A Kaleido-Alto/Quad/Quad-Dual can now decode and display the VITC from video sources.

Fixes

- **(B12635)** A line of noise appears at the bottom of the screen when setting the underscan mode
This problem has been fixed in version 3.10 via a firmware update.

Frequently Asked Questions (FAQ)

Q. Does the Kaleido-Alto/Quad/Quad-Dual come with a fixed IP address?

A. By default, the Kaleido-Alto/Quad/Quad-Dual is configured using DHCP. However, a fixed address can be entered in the **Network Configuration** panel (see the User's Manual for more information).

Q. Is it possible to upgrade the Kaleido-Alto-A, D and AD with version 2.1 or is new hardware needed?

A. Yes, an upgrade is possible. Visit <http://www.miranda.com/portal/downloads.php> to get the latest version available. The upgrade package consists of firmware and software files that can be transferred from a client PC via TCP/IP to a Kaleido-Alto, Layout and configuration files are not affected by the upgrade.

Q. Using the “10 x 1” or “4 x 1” SDI internal routing switcher with the MWO-SDM or MWO-HDM, what happens if I accidentally select a composite source?

A. Composite signals are not supported due to hardware limitations. Selecting a composite signal via the router may result in unstable output or even complete black. Select a valid SDI signal to re-establish proper output.

Supported Output Resolutions (Factory)

Resolution	VGA and DVI-I Output	Display mode
800 x 600, 50 Hz ¹	✓	Full
800 x 600, 60 Hz ¹	✓	Full
1024 x 768, 50 Hz	✓	Full
1024 x 768, 60 Hz	✓	Full
1280 x 768, 50 Hz	✓	Full
1280 x 768, 60 Hz	✓	Full
1360 x 768, 50 Hz	✓	Full
1360 x 768, 60 Hz	✓	Full
1280 x 1024, 50 Hz	✓	Full
1280 x 1024, 60 Hz	✓	Full
1920 x 1080, 50 Hz ²	✓	w/letter boxes
1920 x 1080, 60 Hz ²	✓	w/letter boxes
1600 x 1200, 50 Hz ²	✓	w/letter boxes
1600 x 1200, 60 Hz ²	✓	w/letter boxes

¹ The 800 x 60 resolutions are only supported in Standalone mode.

² The 1920 x 1080, and 1600 x 1200 resolutions are only supported on systems with hardware revision 200 “Enhanced” or later.

Supported Output Resolutions (Custom)

Some display models have different timing parameters than what is provided with the factory-installed resolution definitions. To use one of the display models listed below, the corresponding resolution files must be added to your Kaleido system. Please refer to the `ResolutionProcedure.txt` file located under `Kaleido-Alto-Quad V3.31\Resolutions`, on the Kaleido-Alto/Quad/Quad-Dual CD-ROM, for detailed instructions.

Brand	Model	Resolution
Sanyo	PLV-Z4	1280x720, 50 Hz
Apple	Cinema HD (30 inches)	1280x800, 60 Hz
	Cinema (20 inches)	1680x1050, 60 Hz
	Cinema HD (23 inches)	1920x1200, 60 Hz
Barco	OverView cDR+67-DL	1400x1050, 50 Hz
	OverView cDR+67-DL	1400x1050, 60 Hz
Panasonic	TH-50PX60u	1280x720, 60 Hz
	TH-65PHD	1366x768, 60 Hz
	TH-65PHD 8EK	1366x768, 60 Hz
Samsung	HL-S4266W	1280x720, 60 Hz
	LA40F71B	1920x1080, 60 Hz
	LN-S5797D	1920x1080, 60 Hz
Sanyo	PLV-Z4	1280x720, 60 Hz
Sharp	Aquos LC32D62U	1360x768, 60 Hz

Brand	Model	Resolution
Sony	Aquos LC32D62U	1920x1080, 60 Hz
	LMD-232W	1280x768, 60 Hz
	Bravia KDL-26M3000	1360x768, 60 Hz
	Bravia	1920x1080, 50 Hz
	Bravia	1920x1080, 60 Hz
	LMD-2450W	1920x1200, 60 Hz
ViewSonic	VX1945	1440x900, 60 Hz
	VX1945	1440x900, 50 Hz
	VG2230	1680x1050, 50 Hz
	VG2230	1680x1050, 60 Hz
	VX2025wm	1680x1050, 60 Hz

Supported Embedded Time Code Formats and Alarms

Kaleido Model	Hardware revision ¹	Embedded Time Code Format			Black/Freeze/Luma Alarms
		VITC	DVITC	ATC	
Kaleido-Alto-A	100 - 200	Not Supported	Not Supported	Not Supported	Not Supported
	200*	Not Supported	Not Supported	Not Supported	Not Supported
Kaleido-Alto-D	100 - 200	Not Supported	Not Supported	Not Supported	Not Supported
	200*	Not Supported	Not Supported	Not Supported	Not Supported
Kaleido-Alto-AD	100 - 200	Not Supported	Not Supported	Not Supported	Not Supported
	200*	Not Supported	Not Supported	Not Supported	Not Supported
Kaleido-Alto-A2	300 or later	Supported	Not Supported	Not Supported	Supported
Kaleido-Alto-AD2	300 or later	Supported	Supported	Not Supported	Supported
Kaleido-Alto-HD	300 or later	Supported	Supported	Supported	Supported
Kaleido-Quad-AD	300 or later	Supported	Supported	Not Supported	Supported
Kaleido-Quad-HD	300 or later	Supported	Supported	Supported	Supported
Kaleido-Quad-Dual	All	Supported	Supported	Supported	Supported

¹ 200 = v. 200 base version; 200* = v. 200 enhanced version

Known Issues and Limitations

Clock time zone

Issue: When using the unit's internal clock as the time reference for clock components, occasionally the time zone will not be applied properly.

Workaround: Right-click the clock component, and then click **Clock Settings** on the shortcut menu. Select the appropriate time zone again, and then click **OK**. Save the layout.

Daylight saving time

Issue: The internal clock does not support daylight saving mode.

Workaround: During daylight saving time, specify the appropriate time offset for all the clock components in your layouts that are configured to use the unit's internal clock as the time reference. Remember to save each

modified layout before moving on to the next one. Alternatively, set your system's date and time configuration to a different time zone (click the **K-Alto**, **Quad**, or **Quad-Dual** button, point to **Settings**, and then click **Date/Time**).

Internal clock

Issue: When using the unit's internal clock as the time reference for clock components, there could be a variation of up to 10 seconds over a 24-hour period.

Workaround: Use an external LTC reference input, or synchronize the internal clock to an external NTP source.

MWO-SDM (Mezzanine) output permits illegal video black levels

Limitation: The MWO-SDM mezzanine outputs graphics and video from the Kaleido-Alto/Quad/Quad-Dual as an HD video signal. If any of the graphics from the Kaleido-Alto/Quad/Quad-Dual use black values below RGB 16, 16, 16, or if the "Expand Video Dynamic Range" option has been applied in KEdit, the MWO-SDM allows these illegal values to pass through its video output.

Workaround: If you are using the output of the MWO-SDM, do not enable the "Expand Video Dynamic Range" option in KEdit. Make sure that graphic elements don't use RGB values below 16 (i.e. for black, use RGB 16,16,16, not 0,0,0).

Full screen setting lost after reboot

Issue: If a Kaleido-Alto/Quad/Quad-Dual view is set to full screen and then rebooted, the display view will return to the view setting that existed prior to the full screen view. The same occurs following a change in resolution.

Video calibration

Issue: For SDI inputs configured to de-interlace in the temporal mode, the sharpness control is not active.

Issue: For 1080p 23.98Hz and 1080p 29.97Hz inputs, the Duration, Occurrence, and Detection Window calibration parameters specified for Black/Freeze/Luma error detection are ignored.

Audio threshold precision

Issue: Audio threshold precision is +/- 1 dB.

Updating from previous version

Issue: When updating your Kaleido-Alto/Quad/Quad-Dual it may happen that the task bar becomes red and displays an error message.

Workaround: Press the **Reboot** button located at the right end of the task bar to restart the system.

IP address reverts to DHCP after upgrading

Issue: After upgrading the Kaleido-Alto/Quad/Quad-Dual, the “Registry” will be reset and the IP address of the Kaleido-Alto/Quad/Quad-Dual will be reset to an address from the DHCP server. This occurs only if upgrading from a version prior to 3.0.

Workaround: Access the **Network Configuration** window on the Kaleido-Alto/Quad/Quad-Dual, and reset the address to your own fixed IP address after the upgrade is completed.

Countdown timer resizing

Issue: In KEdit the user can insert a countdown timer in a layout without any size restriction. The countdown timer can then be resized smaller than the minimum size displayable on the Kaleido-Alto. In this case, the countdown timer will be displayed at its minimum size by the Kaleido-Alto software.

Workaround: Modify the layout by making the countdown timer larger and repositioning it.

SECAM video signal is not recognized

Issue: The Kaleido-Alto/Quad/Quad-Dual system is not able to monitor black, freeze, or luma alarms on a SECAM video signal.

Workaround: To be able to monitor black, freeze, and luma, use the Y-only (black & white) portion of the SECAM signal as an input to the Kaleido-Alto/Quad/Quad-Dual.

Dot crawl with high chrominance and luminance values

Issue: When maximum values of luminance and chrominance are set, dot crawl may be visible on a video component.

Workaround: Change luminance and chrominance levels to lower values.

Problem with layout download and SNMP traps transmission

Issue: IP negotiation problems can occur when a Kaleido-Alto/Quad/Quad-Dual is set to handle data at 100 Mbps. This IP configuration may affect layout downloads or SNMP trap transmission.

Workaround: Hard reboot the unit to fix the problem, or leave the setting at 10 Mbps for optimal operation.

During the boot-up sequence, only master Kaleido will display video images

Issue: During the boot-up of Kaleido frames in a cascade configuration, only the master frame will display video images.

Contact Us!

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