Please read this notice carefully before installing your Kaleido-Alto and Kaleido-Quad

It is recommended that you read the **Kaleido-Alto V2.12 Quick Reference**

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 is a scale down version of the Kaleido-Alto-HD with only 4 inputs. This Release 2.11 provides minor improvements but is necessary due to migration of new generation of scaler chip.

Release version 2.12

On some of the Kaleido-Alto-HD units delivered to customers the Ethernet communication wasn't always reliable at 100 base-T. A control to set the Ethernet speed is now available and all units are set to10 base-T at factory to fix the issue.

Previous Versions

Enhancement on version 2.11

- Supports of the new scaler chip which will be included in the future Kaleido-Alto and Kaleido-Quad products.

Bugs Fixed on version 2.11

- Andromeda Tally interface erratic behavior in certain circumstances

- Video Actions are not working on default layouts (see description bellow…)

Description of this issue

Audio Monitoring and FullScreen Actions on the Kaleido-Alto/Quad are not responding when using the factory layouts. Normally the Actions are assigned to a mouse click on each video component. The factory layouts refer to the Actions but these Actions are not currently present on the Kaleido-Alto/Quad Action folder. This is the reason why the Actions are not responding.

- The Audio meters in the factory layouts do not refer to a valid audio scale, default audio scale will then be displayed.
- There is no compatibility on the audio scale when upgrading from version 2.0 to 2.10. The audio meter may display erroneous scales and digits.
- Channels assignments are not made on the factory layout version 2.10

Features on version 2.10

- Capability of changing text fonts from the KEdit software, fonts supported includes UNICOD characters.
- New digital 12h/24h clock
- Supports of custom audio scales
- Additional remote control commends:
    - Trigger an action
    - Control the internal 10x1 SDI router (MWO-SDM/HDMO is required)
    - Control audio monitoring output volume
- Additional Status:
    - Fans
    - Power supplies
- Video image custom cropping
- Insertion of images from files to the background or as resizable "Logo" (with limitation of 256 windows palette); format supported are: jpg, jpeg, bmp, png

Bugs Fixed on version 2.10

- Reposition of ticks on Analog Peak Meter - Nordic PPM (IEC60268-10 type I
- Changing a text label in operation with the Kaleido, saving the layout and recalling that layout would cause fatal crash.
- Remote control commands:
    - When requesting for layout with .kg2 extension, the application was returning <ACK\> where it should have been a <NACK\>.
    - Capital or lower case letter are accepted
- Video filtering wasn't dynamically changed when switching from HD to SD-SDI video.
- Audio normalization configuration always returned to default setting after a reboot.

Bugs Fixed in previous version 2.01

- Solves a problem regarding detection of 720p formats.
- Alto A: lost of signal reporting has been fixed.

Features in previous version 2.00

- New Kaleido-Alto-HD and Kaleido Quad-HD
  - Capable of auto sensing HD-SDI, SD-SDI and Composite inputs
  - Supports of HD embedded audio extraction (Optional)
- New Kaleido-Quad-AD:
  - Capable of auto-sensing SD-SDI and composite inputs
- Optional redundant power supply (failure reported to software for on screen status) Available on new frames only (Kaleido-Alto-HD, Kaleido-Quad-AD and Kaleido-Quad-HD)
- Support of 1920 x 1080 and 1600 x 1200 display resolutions (see bellow limitations bellow)
- New quieter fans on all models
- Supports of HD/SD-SDI 10:1 routing on the Alto with the used of the MWO-HDM mezzanine
- Supports of HD/SD-SDI 4:1 routing on the Quad with the used of the MWO-HDM mezzanine
- Selection of audio level meter scales
- Support of "Actions" enabling on screen mouse clicks and double clicks, timer ends, Alarm states and GPI inputs to trigger events to happen on the device. Available Actions are:
  - Load a layout
  - Trigger GPI outputs
  - Trigger an alarm
  - Control a timer
  - Select audio monitoring output
  - Select video source for the 10:1 internal router
- Integration with iControl for desktop monitoring of base band video
- Selection of 12h and 24h clock displays
- Managing audio options
- Configurable mouse hide
- Configurable Audio alarm thresholds for silence and overload errors
- It will now be possible to recuperate additional helpful information (log files) from the maintenance application.

Bugs Fixed on version 2.00

- Audio Status will now display green dot for audio ok and Red flashing for audio overload or silence detected on audio left or right.
- It wasn't possible to access the volume bar using the arrow keys on the RCP or Keyboard
- Protection on the third party command application has been put in place to avoid loss of communication.
- The video was tuning black when an alarm in "Error" condition was assigned to the video border.
- Alarms and Channels name with dots are now permitted

- **Support of 1920 x 1080 and 1600 x 1200 display resolution limitation:**
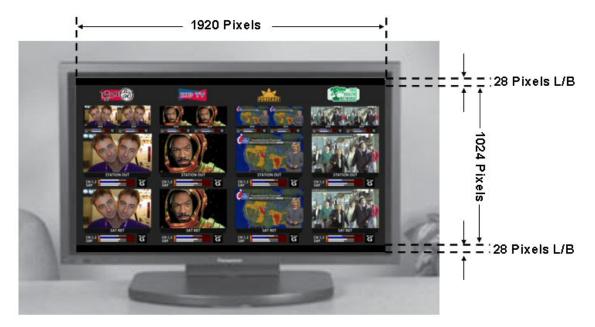
Because the Kaleido-Alto internal CPU is limited in then number of lines it can display to 1024. Resolutions that requires more lines than 1024 are displayed with letter boxes in the top and the bottom of the layout.
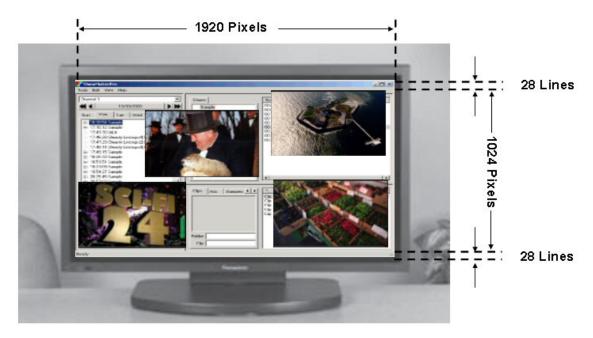
1600 x 1200 resolution:
The Layout is comprised within 1600 x 1024 resolution, creating the layout with KEdit, you must generate a 25 x 16 display aspect ratio. Once applied to the display, 88 lines on top and bottom will be displayed in black.

1920 x 1080 resolution:
The layout is comprised within 1920 x 1024 resolution, creating the layout with KEdit using a 15 x 8 display aspect ratio. Once applied to the display, 28 lines on top and bottom will be displayed black.

Used with a DVI input Background at 1920 x 1080, the entire background will be displayed without cropping. In fact, the 28 lines LB will be replaced by the background. Video layout is still comprised in the 1920 x 1024 region zone.
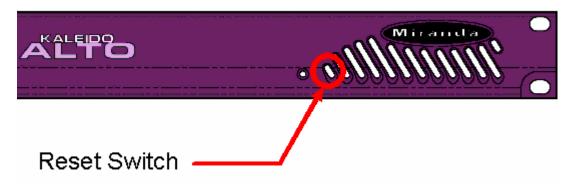
Features in previous version 1.30/1

- Support of the video output monitoring cards, MWO-SDM and MWO-HDM
  - Layout view mode
  - 10 x 1 SDI routing switcher
- Support of external commands via the XML protocol
  - Getting available layout list
  - Load a layout from the list onto the display
  - Change text inside a UMD
  - Change status of Tallies or alarms

Features in previous Version 1.20

- Count down timer with on screen mouse control.
- Software Up-grade auto-executable application including tool to obtain log file from the system.
- The mouse pointer is now automatically hidden after 10 sec of inaction.
- Andromeda is now capable of displaying up to 16 characters
- Factory reset button allowing safe recovery in an improbable case of fatal system crash.

Instructions:

1- Power off the unit
2- Press the reset switch and hold on while powering up
3- Hold until a white screen appear with "Restoring all factory settings", then release reset switch
4- System will boot with factory settings.

Bug Fixes in version 1.20

- Fatal Crash when up-grading the system or when up-loading layout to the Kaleido-Alto. And time of day reset when rebooting Alto.
  - Explanation: In systems delivered prior to Mars 27th 2004, on some CPU assembly, the Battery backup holder was not soldered solidly enough. Corrections have been made in the software to ignore valid time of day when using FTP communication. Hardware fix strategy is in place and defective systems will be replaced.
- None supported components (Vertical UMD, horizontal Audio meters and digital clocks) inserted in a Kaleido-Alto layout would cause the system to crash when saving and recalling that layout.
  - If one or many layouts are already corrupted, they will continue to be problematic. They can't be reused or ideally they must be deleted from the system.
- Concurrent use of communication port RS-232 and RS-422B is now possible.
- Resolve a timing problem that could, sometimes, make the video inputs shift horizontally.

Features in previous version 1.00
- Kaleido-Alto D (10 SDI input with embedded audio).
- Default resolution 1280x1024.
- Text identification and tallies.
- Audio level meters (up to 80 real time).
- 20 layout presets of various aspect ratio

- On screen mouse control
- Quick recall of layouts from the auto hide tool bar.
- Operation through the Kaleido-RCP (optional).
- Multiple Clocks with adjustable offset (time code input reference requires Little Red interface).
- Light on-screen edition allowing assignment of channel, aspect ratio, full screen, underscan mode and entry of text.
- Layout Editing from a KEdit, Off line only.
- Field upgradeable via TCP-IP connection.

Features in previous Version 1.10
- Layout full screen can be modified and saved.
- Dynamic UMD supports via TSL and Thomson Andromeda UMD controllers.

Bug fixes in Version 1.10

- The Shift button mode is preserved after a reboot or a resolution change.
- The aspect ratio of a monitor is preserved when applying Full Screen on the monitor.
- The report of the video status in composite mode is now accurate.

Supported Resolutions

Resolutions	Output VGA and DVI-I	Display mode	Input DVI
800 x 60, 50 Hz	√	Full	√
800 x 60, 60 Hz	√	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, 50Hz	√	w/letter boxes	√
1920 x 1080 60Hz	√	w/letter boxes	√
1600 x 1200 50Hz	√	w/letter boxes	√
1600 x 1200 60Hz	√	w/letter boxes	√

Frequently Asked Questions (FAQ)

Q. Does Kaleido-Alto/Quad comes with a fixed IP address?

A. No. The Kaleido-Alto is configured in DHCP. A fixed address can be entered in the Network Configuration panel (see Quick Reference guide for more information).

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

A. Yes, contact your regional sales representative to get the latest available version. It will be constituted of firmware and software files that can be transferred from a client PC via TCP-IP to the Kaleido-Alto a simple commends followed by the reboot of the Kaleido-Alto will up-dated the Alto automatically. Layout files and configuration will not be suppressed by this operation.

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

A. The composite signals are not supported due to hardware limitations. A selection of composite signal through the router may provide unstable output or even complete black. Select a valid SDI signal to reestablish proper output.

Known Issues

- *Clock time zone*

Issue:
When a clock is configured in internal mode, occasionally the time zone will not be applied properly.

Workaround:
Right-click on the clock and select *Clock Settings…* Re-select the appropriate time-zone then click OK. Save the layout.

- *FullScreen vs Reboot*

Issue:
If the Kaleido-Alto view was set to full screen while the system was reboot or when changing a resolution, the display view will come back to the initial layout and not full screen.

- *Video Calibration*

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

- *Updating from previous version*

Issue:
When updating your Kaleido-Alto it may happen that the toolbar becomes red and display an error message.

Workaround:
Press the Reboot button located on the right end side of the toolbar to restart the system.

- *IP address is put back to DHCP after Up-grading*

Issue:
After up-grading the Kaleido-Alto, the "Registry" will be reset and the IP address of the Kaleido-Alto will be set to the default value in "DHCP".

Workaround:
Access the IP configuration menu in the Alto and reset the address to your own fixed IP address after the up-grade is completed.

- *Overscan not available for HD signals*

Issue:
Depressing the Undescan mode on the RCP or Keyboard over an HD-SDI signal does not change the video cropping.

Answer:
We do not support the overscan mode on the HD signals.

- Count down timer resized very small

Problem:
When creating a layout and inserting a count down timer, there is no size limitation indicating the component size limitation in the Alto. So the Timer can be resized smaller than the minimum size displayable in the Alto. In this case, the Timer in the Alto will be displayed at its minimum size.

Workaround:
Modify the layout by resizing the Timer larger and reposition the component accordingly.

- KEdit issues 5.22 build 125

Problem:
It may happen that the font size inside the Count Down Timer is displayed smaller than the one displayed on the Alto/Quad output.

Workaround:
Select the Timer and reapply the font.

Problem:
When exporting a Layout to an Alto, their might be occasions where some data such as alarms, channels and actions aren't found inside your folders but assigned to components inside the layout. In such condition, you will be prompted with the following question: "Do you want to export the Layout anyway?". You must answer "Yes" to the question otherwise, the layout is exported anyway, and it takes some time (10-15 sec) to recover control of the layout.

Problem:
If an "Audio Scale"associated to an audio meter is not present in your files, the drop down list will show the fist available audio scales but not the ones that was assigned originally.

Miranda Technical Support
If you have any questions or detect erratic behavior, please contact Miranda's technical support department by phone at (514) 333-1772 or by email at techsupp@miranda.com