

Products	Zenith 100, Zenith 200
Date	March 27 <sup>th</sup> , 2024
Version	1.1.74

*The version (s) indicated here above has (have) been tested and validated by the QA Department.*

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## Technical Notes:

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### New features:

- None.

### Improvements:

- Factory process updated.

### Bug fixes:

- Source Tally on the Web RCS and on the multiviewer output now works correctly again when the screen is configured as a split layer.
- There is no more Black line appearing on multiviewer in between outputs when used on a single canvas/screen.
- De-interlacing is improved.
- The software stability is improved.

### Known issue:

- The sharpness of live input is weak when the content is downscaled

# PREVIOUS VERSIONS

Products	Zenith 100, Zenith 200
Date	Novembre 15 <sup>th</sup> , 2023
Version	1.1.66

*The version (s) indicated here above has (have) been tested and validated by the QA Department.*

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## Technical Notes:

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### New features:

- None.

### Improvements:

- A new hardware revision is integrated.

### Bug fixes:

- The software stability is highly improved
- Audio levels are now always displayed correctly on the front panel display

### Known issue:

The sharpness of live input is weak when the content is downscaled

Products	Zenith 100, Zenith 200
Date	Octobre 25 <sup>th</sup> , 2023
Version	1.1.60

*The version (s) indicated here above has (have) been tested and validated by the QA Department.*

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## Technical Notes:

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### New features:

- None.

### Improvements:

- None.

### Bug fixes:

- Auxiliary screens are now displayed promptly after a reboot
- LCD display management is improved

### Known issue:

The sharpness of live input is weak when the content is downscaled

Products	Zenith 100, Zenith 200
Date	Octobre 18 <sup>th</sup> , 2023
Version	1.1.58

*The version (s) indicated here above has (have) been tested and validated by the QA Department.*

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## Technical Notes:

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### New features:

- None.

### Improvements:

- None.

### Bug fixes:

- DANTE board does now boot properly every time
- 1080i input signal on SDI plug is now well displayed

### Known issue:

The sharpness of live input is weak when the content is downscaled

Products	Zenith 100, Zenith 200
Date	Octobre 02 <sup>nd</sup> , 2023
Version	1.1.52

The version (s) indicated here above has (have) been tested and validated by the QA Department.

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## Technical Notes:

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### New features:

- The Freeze/Unfreeze function is now available for inputs, screens and layers
- SKAARHOJ Air Fly Pro controller can now be used to operate the Alta 4K series. Once connected, the controller provides instant access to the important features of Alta 4K multi-screen switchers, such as memory recall, automatic or manual T-Bar transitions, layer source switching and much more. For more information, please refer to the user manual from September 2023
- Alta 4K series switchers now include an SNMP agent and MIB offering a wide range of data and status updates. This enables network engineers to use SNMP (Simple Network Management Protocol) to monitor Alta 4K switchers like any other device within the network infrastructure. Please note that ports 161 and 162 will be opened to support this feature.
- It is now possible to display the audio levels of a live input of your choice in one of the multiviewer widgets. Up to 8 channels can be displayed, depending on the size of the widget
- It is now possible to display the contents of an Auxiliary output (Program) on the multiviewer
- It is now possible to easily mute/unmute audio from a screen, program or auxiliary output, directly from Web RCS

### Improvements:

- The image-processing engine has been significantly enhanced to offer smoother transitions with TBAR
- A new version of the BBC LUTs has been incorporated to further improve color space conversion and HDR/SDR conversion, including:
  - Improvement of BT.2020 to BT.709 conversion
  - Improvement of the sub-black management
  - Improvement of conversion from HLG
  - Addition of HDR10 4000 nits to SDR conversion tables
  - LUT BBC version 1.6:
    - New algorithm (CAM) for HLG to SDR BT.709 conversion
    - Addition of HLG to SDR BT.2020 conversion
- It is now possible to import the configuration of a Zenith 100 into a Zenith 200 (the other way round is not possible)
- Live streaming is now also possible at 25p and 50p
- When creating a custom format, the Reduced Blanking setting is enabled by default
- New test patterns have been added:
  - Screen test pattern: 30bpp output test pattern (linear gradient and radial gradient)
  - Output test pattern: SDI Pathological output test pattern

- The default EDIDs have been standardized with those of the LivePremier range and modified to remove formats larger than the preferred format
- When DHCP mode is enabled for network configuration, if the device has not obtained an IP address from the DHCP server, then it will continue to try to obtain an IP address every minute from the DHCP server until it succeeds
- Maximal covering area has been increased from 1000 pixels to 1500 pixels
- [Zenith 200 only] Ultrawide input and outputs custom formats are now supported (ex: 8K x 1K)
- When the output test pattern is activated for one or more outputs, it is now also displayed on the multiviewer in the widget displaying the corresponding screen
- The Quick Preset user interface is modified to reflect the AUX image not being available
- The default value for the "Allow Cross effect" transition setting is now set to "No"
- Some options have been added to the front panel "System Warning" page
  - 2 new fields
    - Config export
    - Auto Diagnostic
- The "Allow cross effect" is now deactivated by default

#### Bug fixes:

- The software stability is significantly improved
- The compatibility with MX2M matrix from Lightware is now improved, fixing all known issues
- Quick frames are now correctly recomputed when AOI (Area Of Interest) or position of an output change on the screen
- PIPs are now displayed flawlessly when the Tbar is used on split layers
- An internal protocol is now using UTF8 encoding fixing some Chinese character miss displayed (Dante Label)
- "Covering" pattern is now displayed flawlessly
- Layers are now displayed correctly during a preset loading on program without any side effect
- Some remaining spelling issues are now removed from the Web RCS and the front panel display
- Cuts effects on open start now at the same time for live layer and FRG without any delay between them both
- Input plug LUT conversion warning is now falling back once a LUT resource is well assigned
- Selected screen(s) and layer(s) are now displayed rightfully in the properties on Live>Screen/Aux
- "Auto" mode for canvas works now properly
- The canvas size of a custom screen in auto size mode and in "Free" mode is now rightly recalculated
- PIPs keep now always their right position at the end of transition
- "Vertical Burst" pattern of an a 1080i or 1080p source on a 4K display is now correctly displayed
- The blending curve is now always updated properly when it is modified
- NTP Status in Web RCS is now correctly updated when the NTP is synchronized

#### Known issue:

The sharpness of live input is weak when the content is downscaled

Products	Zenith 100, Zenith 200
Date	July 06 <sup>th</sup> , 2023
Version	1.0.31

The version (s) indicated here above has (have) been tested and validated by the QA Department.

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## Technical Notes:

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### New features:

- None.

### Improvements:

- None.

### Bug fixes:

- Net mask of Dante board could be changed
- Content is correctly displayed on aux output after loading a new configuration
- Interlaced source is displayed correctly after a reboot on layer 1
- All the screen is displayed correctly on AUX output
- LUT: Importation of file with \t (tabulation) instead of space is now possible

### Known issue:

- The sharpness of live input is weak when the content is downscaled.
- T-Bar transitions with RC400T and SB124T-3 may not be smooth.



Products	Zenith 100, Zenith 200
Date	March 31 <sup>th</sup> , 2023
Version	1.0.26

*The version (s) indicated here above has (have) been tested and validated by the QA Department.*

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## Technical Notes:

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### New features:

- None.

### Improvements:

- Implementation of new factory tests

### Bug fixes:

- Unneeded re-update request of an internal processor firmware
- Correction for intermittent image errors at startup

### Known issue:

- The sharpness of live input is weak when the content is downscaled.
- T-Bar transitions with RC400T and SB124T-3 may not be smooth.

Products	Zenith 100, Zenith 200
Date	February 15 <sup>th</sup> , 2023
Version	1.0.17

The version (s) indicated here above has (have) been tested and validated by the QA Department.

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## Technical Notes:

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### New features:

- None.

### Improvements:

- The update procedure is now more reliable.

### Bug fixes:

- Background frames, foreground frame and snapshots work properly again.
- Raw audio levels of extension cards' inputs are refreshed properly.
- Transitions:
  - There are no more flashes at the end of the transition when crossfading two inputs with different aspect ratios.
  - Layers don't freeze anymore during 1 or 2 frames at the end of the transition.
- DisplayPort inputs:
  - BT.2020 4:2:2 isn't mismatched with BT.2020 4:4:4 anymore.
  - Color bit depth status is now correct.
- After a DHCP request, the timeout for receiving the answer is increased so the address assignment doesn't fail if the DHCP server takes a long time to answer.
- Web RCS:
  - The list of selected screens now appears once in the Live pages.
  - Loading Master Memories created with more screens than currently existing, the list of selected screens is now displayed properly (non-existing screens don't appear anymore).

### Known issue:

- The sharpness of live input is weak when the content is downscaled.
- T-Bar transitions with RC400T and SB124T-3 may not be smooth.

Products	Zenith 100, Zenith 200
Date	December 19 <sup>th</sup> , 2022
Version	1.0.11

*The version (s) indicated here above has (have) been tested and validated by the QA Department.*

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## Technical Notes:

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### New features and Improvements:

- None

### Bug fixes:

- Improvement of firmware's stability and reliability

### Known issues

- The sharpness of live input is weak when the content is downscaled.
- T-Bar transitions with RC400T and SB124T-3 may not be smooth.

Products	Zenith 100, Zenith 200
Date	November 25 <sup>th</sup> , 2022
Version	1.0.08

*The version (s) indicated here above has (have) been tested and validated by the QA Department.*

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## Technical Notes:

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### Initial published release

- Support for Alta 4K products: Zenith 100 (ZEN100) and Zenith 200 (ZEN200)

### Known issues

- The sharpness of live input is weak when the content is downscaled.