tools ON air

TOA COMPOSITION BUILDER BOILERPLATE

**Additional information about the Composition Builder graphics template editor for macOS.
To be used for RFI, RFP or Web Shop descriptions.**

v.1.4 – OCTOBER 2024

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1 Change Log:

Date	Version	Changed by	Changes
14.10.2024	1.4	MGR	**Updates/changes:** • Updated feature set and compatibility matrix for macOS Sequoia • Added Workflow Diagram
02.09.2024	1.3	MGR	**Updates/changes:** • Updated specifications and descriptions to reflect the current software release.
27.07.2024	1.2	MGR	**Updates/changes:** • Updated TOC Sections for better readability. • Revised descriptions for better readability. • Updated specifications and descriptions to reflect the current software release.
12.09.2020	1.1	MGR	**Updates/changes:** • Updated TOC Sections for better readability. • Revised descriptions for better readability.
13.07.2020	1.0	MGR	**Initial Draft**

2   Product Description Composition Builder

2.1   Title:

ToolsOnAir **Composition Builder** - Real-Time Graphics Template editor for **just:live** and **just:play** running on macOS.

2.2   SKU:

Licenses: Part of every JLV-RFX or JPL-RFX license.

2.3   Ideal for:

- Easy creation of dynamic real-time graphic templates for **just:live** and **just:play**.
- Integration of RSS-feeds, database fields, still images, analog clocks, input ports.
- Stop-frame animations for elements such as lower thirds.
- Exposure of template fields for last-minute text changes in **just:live** or **just:play.**

2.4   Description:

The **Composition Builder** application for macOS enables TV stations and Live Event broadcasters to effortlessly generate high-quality real-time graphic templates, which can be utilized directly in **just:live** and **just:play**.

2.5   Concept:

With its intuitive user interface and powerful feature set, **Composition Builder** enables TV stations to easily create and implement professional real-time graphic templates for news, weather, stock exchange, sports, and other broadcast applications. All graphics are rendered in real-time by the **Just Out** playout engine, which is an integral part of either **just:live** or **just:play** solutions.

2.6   Reliability & Flexibility

Template designers can develop real-time graphic templates that are easily customizable during airtime, ensuring consistently pristine, professional-quality graphics. With **Composition Builder**, these templates can be updated both manually and automatically in just:live and just:play. The built-in support for XML files, combined with the powerful XPath query language, allows for seamless data extraction from local or networked files. This capability simplifies the creation of templates such as live news tickers, weather updates, stock exchange information, music channel inserts, or traffic infographics.

2.7   Free Graphic Templates Package:

Composition Builder comes with a package of pre-designed 2-D templates which can be used and modified for free. Drop them into any graphics layer in either just:live or just:play to play them out concurrently with any video clip. In addition, the smart and yet powerful "Stop Frame" approach allows you to dynamically extend the duration of graphic templates, while maintaining the individual duration of animations within a template. Changes to graphics and information sources can be easily made during playout and brought to air in real-time.

2.8   Product Deployment:

Composition Builder is a native macOS application, compatible with qualified Apple hardware (Apple silicon preferred) and is deployed within the official **just:live** or **just:play** installer.

2.9 Key Features:

- Key frame/timeline-based editor for real-time broadcast graphics creation.
- Versatile repository providing text elements, geometric shapes, image- and movie elements.
- Integration of raw text, RTF, XML, and RSS file parsing.
- Straightforward data query via XPath query language.
- Supports standard broadcast formats (PAL, NTSC, HD 720, HD 1080, UHD and 4K).
- Intuitive and easy-to-use interface.
- Display of live date and time information with extensive parameterization.
- Capability to show info about current/ upcoming video clips that are scheduled in **just:play**.
- Attributes of graphic elements can be exposed to **just:live/just:play** for on-the-fly editing.
- Option to embed resources to create standalone compositions.

3   Technical Data:

3.1   Supported Resolutions:

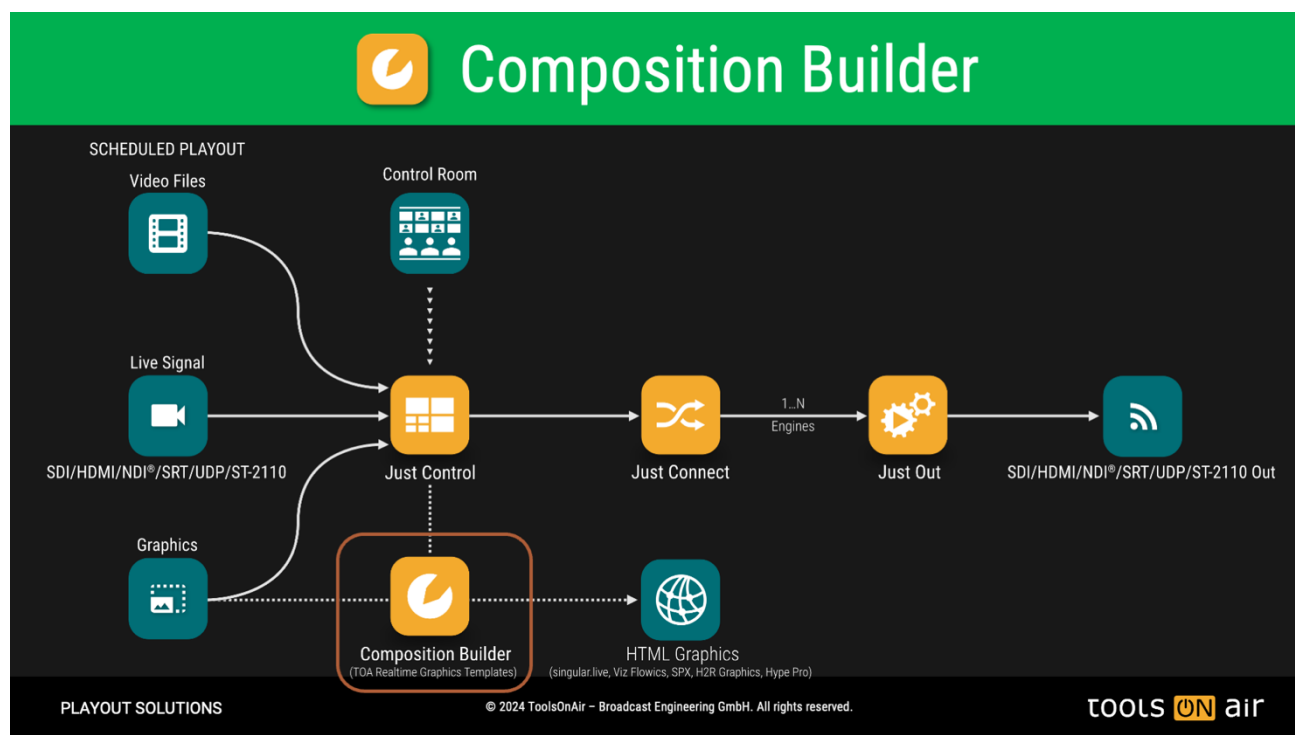- NTSC, PAL, HD, UHD, 4K

4   System Requirements

- Version 5.0: Latest macOS Ventura, macOS Sonoma and macOS Sequoia are recommended. Runs natively on qualified Intel- or Apple silicon hardware (Apple silicon is recommended).
- 16 GB of RAM recommended.
- AMD or Apple silicon graphics card (integrated or discrete).
- A screen resolution of at least 1920 × 1080.
- For detailed system requirements, please consult the online user manual or contact ToolsOnAir at https://support.toolsonair.com
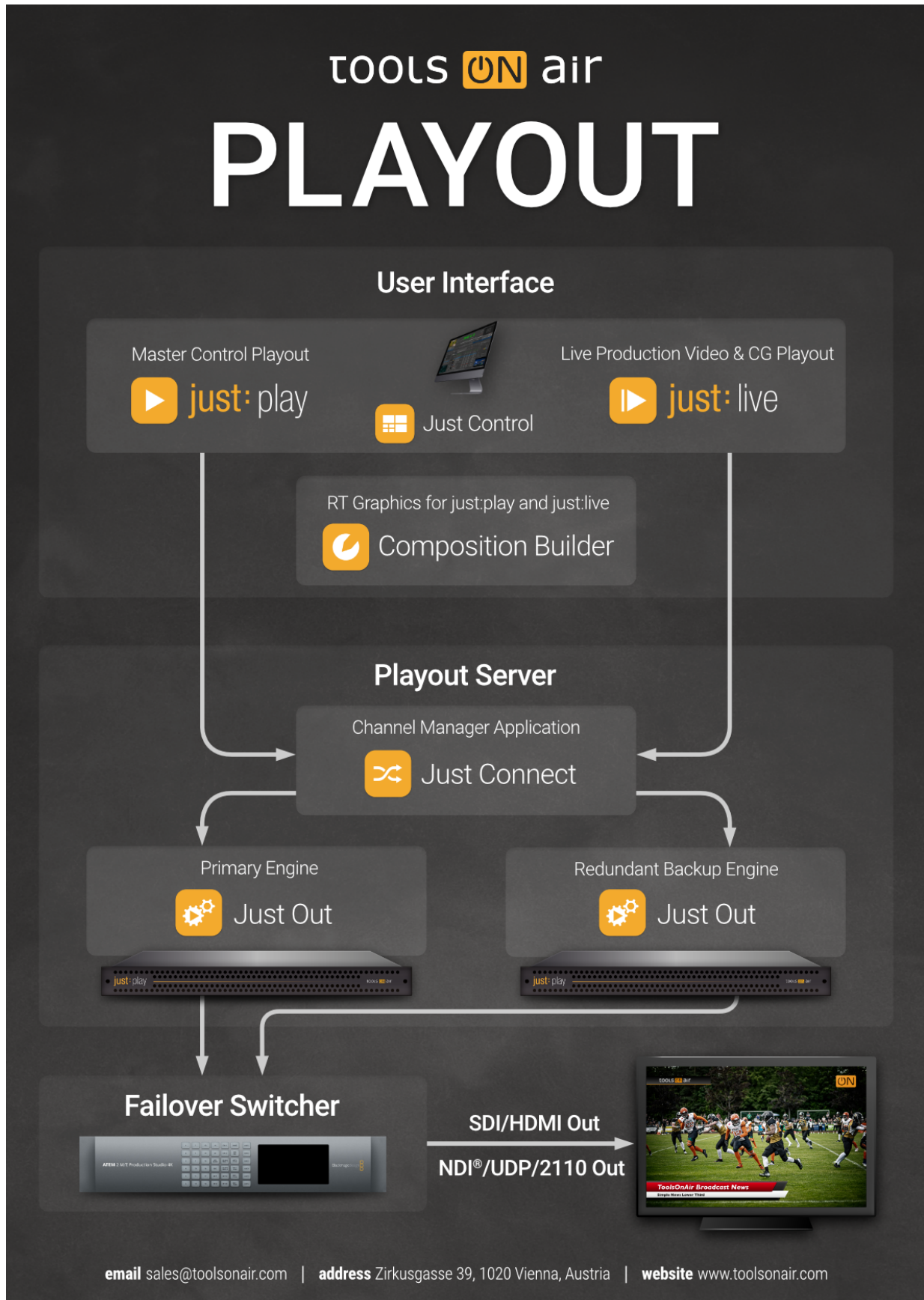
5 Compatibility Matrix

Version	macOS Sequoia (15.x)	macOS Sonoma (14.7.x)	macOS Ventura (13.7.x)	macOS Monterey (12.7.6)	macOS Big Sur (11.7.10)	macOS Catalina (10.15.7)*
5.0	Apple silicon only	Apple silicon only	Intel / Apple silicon	Intel / Apple silicon	Intel / Apple silicon	Intel
	Composition Builder Application (Mac)	Composition Builder Application (Mac)	Composition Builder Application (Mac)	Composition Builder Application (Mac)	Composition Builder Application (Mac)	Composition Builder Application (Mac)
	Support for Apple silicon GPU graphics.	Support for Apple silicon GPU graphics.	Support for AMD, Intel or Apple silicon graphics card.	Support for AMD, Intel or Apple silicon graphics card.	Support for AMD, Intel or Apple silicon graphics card.	Support for AMD or Intel GPUs.

Version	macOS Sonoma (14.7.x)	macOS Ventura (13.7.x)	macOS Monterey (12.7.6)	macOS Big Sur (11.7.10)	macOS Catalina (10.15.7)	macOS Mojave (10.14.6)
4.0	Upgrade to Version 5.0	Upgrade to Version 5.0	Upgrade to Version 5.0	Upgrade to Version 5.0	Upgrade to Version 5.0	Intel
						Composition Builder Application (Mac)
						Support for AMD or Intel graphics card.

Legend: * = macOS Catalina Support, provided on request, Not available = version not available or incompatible with the displayed macOS version.
NOTE: All updates and upgrades mentioned are available to customers with an active support and software maintenance contract. To renew your maintenance contract, please contact sales@toolsonair.com

6 Workflow Diagram:

7 Workflow Overview:

8   Related links and additional information:

ToolsOnAir Solutions Overview:

https://www.toolsonair.com/wp-content/uploads/overview.pdf

Composition Builder Landing Page:

https://www.toolsonair.com/products/playout/compositionbuilder/

Composition Builder Datasheet:

https://www.toolsonair.com/wp-content/uploads/datasheet.pdf

Composition Builder Manuals:

https://toolsonair.atlassian.net/wiki/spaces/TST/pages/3160572158/composition+builder+v.5.0