

# Licenses and functions

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Wings Vioso is a software based on a modular structure and is available in a number of different versions offering different features. Information on the various features of the individual versions can be found in the Help topics. Of course, an upgrade is possible at any time.

## Licenses

Wings Vioso is available in different versions, a short description of which can be found below. Further below you will find a detailed list comparing the functions of the various licenses.

### Free licenses

- **Wings XX Demo Licenses** are free of charge and offer all the functions for testing with certain restrictions. On the screen, a bar showing **Demo** will appear and no media except WMV and AVI videos with a length of up to one minute can be exported. A multidisplay presentation can only be viewed in Preview Mode and cannot be presented via client computers. Devices cannot be controlled. Using a **Wings Vioso Demo** license a demo dialog will appear after a total of 10 minutes playback time which needs to be confirmed. With a **Wings Vioso RX Demo** license the render displays show status info and performance bars which can only be removed with a proper license. Any other restrictions can be found in the [table](#). The **Info** dialog of a **Wings Platinum Demo** license allows you to choose the range of functions (Starter, Advanced, Pro) you want to test. For the **Wings Vioso demo license**, a Enable code is required, which is free of charge from AV Stumpf.

### Full licenses

- **Wings Platinum Eco** is a low-cost license for newcomers containing virtually all the most important basic functions for designing extensive shows. Since audio, pictures and videos at HD resolution can be arranged on two crossfade tracks each, it allows already for several effects and parallel montage of similar objects to be realized. The exact features of the license can be found in the [table](#) in the help topic under **Licenses and functions**.
- **Wings Platinum Starter** is a low-cost full version for newcomers containing virtually all the most important basic functions for designing extensive shows. Since audio, pictures and videos at HD resolution can be arranged on three crossfade tracks each, it allows already for a number of sophisticated effects and parallel montage of similar objects to be realized. The presenters are supported by Remote which is a remote control unit based on HTML with a prompter function which can be run on mobile devices such as smart phones or tablets. For exact details of this license please refer to the [table](#).
- **Wings Platinum Advanced** is a powerful full version for ambitious and advanced users. In addition to all the basic functions for designing extensive shows it also offers functions for controlling external devices. Audio, pictures and videos at HD resolution can be arranged on any number of cross fade tracks to achieve spectacular effects and complex montages. For exact details of this license please refer to the [table](#).
- **Wings Platinum Pro** is a highly extensive full version for particularly ambitious or professional users. In addition to the functions of the Advanced License it also offers sound effects and extended functions for professional presentations. Screen output on two displays for panorama shows is possible, but it cannot be extended to proper multidisplay. For exact details of this license please refer to the [table](#).
- **Wings Vioso** offers professional users all the functions of the Multidisplay License and, in addition to this, camera-based VIOSO calibration of the projected image. This calibration feature allows automatic adjustment of the image for projection via a number of video projectors onto uneven, bent or even completely irregular surfaces. The corrected parameters are geometry, brightness and softedge masks. Optionally, it is also possible to compensate for patterns and colors of the projection surface in the

image. Of course, manual adjustment of the softedge masks or manual warping is also possible. Dongles are available for one or two displays. The exact features of the license can be found in the [table](#).

- **Wings Vioso RX** is based on Wings Vioso but is equipped with a new and extremely powerful Render Engine supplied with our server Wings Engine RAW. It is therefore able to play four 4K streams with 60 f/s consisting of uncompressed images, i.e. 4 x 60 TIF images per second. Since not all Wings Vioso functions have been implemented for the new Render Engine we are asking you to note the restrictions in the [table](#).
- **Wings Avio Master** is a license which is exclusively available for the small fanless server **Avio Master**. It's focus is on Show Control functions using the Avio System. Visual presentation is quite limited. However, videos can be played using the Live Players. The exact features of the license can be found in the [table](#).

Upgrades to a higher license are registered with the existing dongle. See also [Copy protection dongle](#).

## Optional Modules

- **Multi-Timeline EXE Presentation Module** allows output of interactive projects with several timelines as an EXE presentation, with the interactive links of timelines and variables being supported by triggers. This way it is possible to output even complex projects as EXE presentations and make them accessible to customers without Wings Vioso. This type of output can already be tested with the Pro License and up. In this case, however, the screen shows a large logo to start with and the text "Created with Wings Vioso" later on.
- **Additional Licence** is a low-cost alternative if you want to run Wings Platinum simultaneously on several computers. It is supplied with a separate copy protection dongle. When an additional licence is used within a network, all functions of the main licence recognized within the LAN are enabled. An exception are the functions of the Multidisplay Licence and the Show Control Module, as well as all Start Options under [Global Options - Start](#) that are required for automatic operation. When an additional licence is used independently without LAN connection, saving of projects or media is not possible (except for CF card data). For a presentation, however, this does not matter. See [Using additional licences](#).
- **Avio licenses** are available as **Lite**, **Advanced**, **Pro** and **Premium** versions. This allows even smaller projects to be targeted at more specific tasks and thereby implemented at lower costs. See also [Avio licenses](#).

## A comparison of licenses and functions


This comprehensive table allows a quick comparison of the available licenses. Use the links to jump directly to the corresponding functions.

**Note:** Please note that we reserve the right to make modifications and that no legal claim can be made in connection with this list. Status: 19.07.2017.

[Basic functions](#), [Audio](#), [Images](#), [Video](#), [Text](#), [Media export](#), [Presentation](#), [Slide projection](#), [Multidisplay](#), [Show Control](#)

Basic functions	Eco	Starter	Advanced	0Pro0	Vioso	Vioso RX	Avio Master	Demo
Timeline-based editing of all media and show sequences <a href="#">more</a>	o	o	o	o	o	o	o	o
Screens at any size, <a href="#">more</a> .	o	o	o	o	o	o	o	o

Multi-client capable Render Engine 64 Bits with extremely high performance and multimaster mode	-	-	-	-	-	o	-	-
Any number of screens and screen fields, e.g. for "picture in picture", <a href="#">more.</a>	o	o	o	o	o	o	o	o
Function for creation of screen fields arranged in a matrix for image mosaics	-	-	o	o	o	o	-	o
Several timelines for complex, interactive shows <a href="#">more.</a>	-	-	o	o	o	o	-	o
Simultaneous playback of several timelines, modifications during the presentation	-	-	-	-	-	o	-	-
Drag & Drop of media files to screen, timeline and Media Pool, <a href="#">more.</a>	o	o	o	o	o	o	o	o
Compositing Modes "Addition" and "Alpha Control" for picture objects, <a href="#">more.</a>	o	o	o	o	o	-	o	o
Marker tracks for interactive control of a Speaker Support presentation with pause and position markers, (number, n = any number) <a href="#">more</a>	-	1	n	n	n	n	1	o
Marker tracks for various markers, such as Jump, control of devices and any other commands for interactive control <a href="#">more.</a>	-	-	o	o	o	o	-	o
Universal tracks for notes objects and more, (number, n = any number), <a href="#">more.</a>	-	1	n	n	n	n	1	n
Group tracks for grouping and hiding tracks, (number, n = any number), <a href="#">more.</a>	3	5	n	n	n	n	5	n

Grouping of objects,  <a href="#">more</a> .	o	o	o	o	o	o	o	o
Stretching/compressing several marked objects	o	o	o	o	o	o	o	o
Alpha-Wipe, a versatile transition effect	-	o	o	o	o	-	o	o
Eco realtime effects for visual media (BrightnessContrast, Monochrome, OldPhoto, DefaultYUV correction, Inverter, IgnoreAlpha, Posterize). Some of the parameters are fixed.	o	o	o	o	o	-	o	o
Starter realtime effect for visual media (Desaturate, Sepia, PosterizeVariable, AlphaWipe, ColorAnimation, ColorAdd/Multiply, FadeToColor, Solarisation, LuminanceToAlpha)	-	o	o	o	o	-	o	o
Advanced realtime effects for visual media (tonal value correction, Eposure, FlipPage, Glow, MonochromePro, Drop, Flag, Wobble, Alpha-Maps, Jitter, Vignette, Gamma, Blur, BoxBlur, Sharpen, HueSaturation, Rahmen)	-	-	o	o	o	-	-	o
Pro realtime effects for visual media (Chroma-/Luma-Keying, ConvertToRGB/HSV, Backdrops, Outline, ColorMpa, Radar, Zoom, Pixelate, CubicBlocks, LED, Scharr, Sobel, DepthOfField, EffectMask, Distortion, OldMovie, Tunnel, Water Surface)	-	-	-	o	o	-	-	o
Dynamic control of effect parameters using variables and data objects	-	-	-	o	o	o	-	o

Dynamic masks for masking whole composite images, (number of masks per composite image, n = any number)	-	-	1	n	n	-	-	n
Keyframe control for visual objects with regard to motion, zoom, aspect ratio, 3D rotation and color , <a href="#">more</a> .	o	o	o	o	o	o	o	o
Keyframe control via In Screen Editing, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Keyframe Editor using ramps in parameter objects, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Properties Table for fast numeric editing of highlighted timeline objects	o	o	o	o	o	o	o	o
Pool for keyframe control tracks for frequently used effects, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Ramp pool for frequently used dissolve ramps, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Media Pool for administration of all media and devices, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Import of ramps and keyframe control tracks for effects from the Media Pool of other projects <a href="#">more</a> .	o	o	o	o	o	o	o	o
Import of any Media Pool components from other projects, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Integration of external media editors for comfortable and interactive editing, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Simple creation of stereo/3D shows by duplicating tracks for the second image channel.	o	o	o	o	o	o	o	o

Backup of projects on CD/DVD or in a directory on the hard disk, <a href="#">more</a> .	-	o	o	o	o	o	-	-
Performance monitor for controlling capacity utilization and analysing problems	-	-	-	o	o	-	-	o
Enlarged display of timeline and countdown time in a separate window	-	-	o	o	o	o	-	o
Context-sensitive Online Help, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Newcomer manual, <a href="#">more</a> .	Print	Print	Print	Print	PDF	PDF	Print	PDF
USB stick with media samples and examples	-	o	o	o	o	o	o	-
<a href="#">back to top of table</a>								
<b>Audio</b>	<b>Eco</b>	<b>Starter</b>	<b>Advanced</b>	<b>0Pro0</b>	<b>Vioso</b>	<b>Vioso RX</b>	<b>Avio Master</b>	<b>Demo</b>
Crossfade audio tracks for mono and stereo files (number, n = any number), <a href="#">more</a> .	2	3	n	n	n	n	2	n
Output of stereo sound, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Multi-channel audio output on up to 24 channels (12 x stereo) via the corresponding hardware (also for SC Master multi-channel programming, <a href="#">more</a> .	-	-	-	o	o	o	-	o
Support of ASIO drivers for professional multi-channel interfaces. Freeware tool ASIO4all allows also operation of WDM multi-channel cards.	-	-	-	o	o	o	-	o
HighEnd audio format with up to 24 bits and 96 kHz sampling rate, <a href="#">more</a> .	-	-	o	o	o	o	-	o
Playback of AC3 streams (Surround 5.1) via S/PDIF output, <a href="#">more</a> .	o	o	o	o	o	o	o	o

Automatic sampling rate conversion into the output format, <a href="#">more</a>	o	o	o	o	o	o	o	o
Lossless import of audio CDs, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Cut Mode for efficient cutting	-	-	-	o	o	o	-	o
Function for automatic level reduction via the ramp band for spoken comments	o	o	o	o	o	o	o	o
Time stretching (changing the playing time without pitch alteration), <a href="#">more</a> .	-	-	-	o	o	o	-	limited
Pitch shifting (changing the playing time with pitch alteration), <a href="#">more</a> .	-	-	-	o	o	o	-	limited
Audio loop, also asynchronous in Pause Mode, e.g. for interval music with Speaker Support and live comments, <a href="#">more</a> .	-	-	-	o	o	o	o	o
Live player for instantaneous playback of audio files during the presentation (number, n = any number)	-	-	-	1	n	n	n	n
VST interface for any VST PlugIns (stereo) for sound editing, <a href="#">more</a>	-	-	-	o	o	o	-	limited
DirectX interface for PlugIns for sound editing, 16 DirectX PlugIns, <a href="#">more</a>	-	-	-	o	o	o	-	limited
Peak search (peak and RMS), <a href="#">more</a> .	o	o	o	o	o	o	o	o
K-System loudness-based soundtrack level control	-	-	-	o	o	o	-	o
Export of audio files in wave and MP3 format, <a href="#">more</a> .	o	o	o	o	o	o	o	-
Creation of MP3 presentation data for SC Master and EventControl, <a href="#">more</a> .	-	o	o	o	o	o	o	-

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Images	Eco	Starter	Advanced	0Pro0	Vioso	Vioso RX	Avio Master	Demo
Crossfade tracks for pictures (number, n = any number), <a href="#">more</a> .	2	3	n	n	n	n	2	n
Support of all commonly used and pixel-based image formats, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Import port for scanners and digital cameras, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Color-true display through evaluation of ICC color profiles in JPG and TIF files and correct output on displays/video projectors with any type of color space (requires ICC color profile), <a href="#">more</a>	o	o	o	o	o	o	o	o
Color management for videos (BT.601, BT.709, BT.2020, DPI-P3) and correct output to displays/projectors with arbitrary color spaces (ICC profile required)	-	-	-	-	-	o	-	-
Evaluation of the alpha channel for suitable image file formats, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Compositing Modes "Addition" and "Alpha Control", <a href="#">more</a> .	o	o	o	o	o	-	o	o
Keyframe control for position, size, aspect ratio, 3D rotation and color in all three axes, as well as color, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Camera movement through motion and zoom of large images, <a href="#">more</a> .	o	o	o	o	o	o	o	o
"Picture-in-picture" effects, <a href="#">more</a> .	o	o	o	o	o	o	o	o
"Video-in-picture"	o	o	o	o	o	o	o	o



effects, <a href="#">more</a>								
Inclination and distortion in all three axes, <a href="#">more</a>	o	o	o	o	o	o	o	o
Keyframe controlled color alteration through subtraction (like a filter for photography), <a href="#">more</a> .	o	o	o	o	o	o	o	o
Non-destructive image effects for image editing, e.g. sharpening, blurring, brightness, contrast, color saturation, cropping, etc., <a href="#">more</a> .	o	o	o	o	o	o	o	o
Conversion of all images of a project into JPEG format without overwriting the originals.	o	o	o	o	o	o	o	o
Output of animated sequences of pictures with stereo sound as an EXE presentation, <a href="#">more</a> .	o	o	o	o	o	-	o	o
<a href="#">back to top of table</a>								
<b>Video</b>	<b>Eco</b>	<b>Starter</b>	<b>Advanced</b>	<b>0Pro0</b>	<b>Vioso</b>	<b>Vioso RX</b>	<b>Avio Master</b>	<b>Demo</b>
Crossfade tracks for video objects, <a href="#">more</a> ; (number, n = any number, HD+ = HDTV resolution and higher)	2 HD+	3 HD+	n HD+	n HD+	n HD+	n HD+	2 HD+	n HD+
Support of all AVI video and VMV (Windows Media Video) codecs installed in the operating system and of Quicktime for playback, <a href="#">more</a> .	HD+	HD+	HD+	HD+	HD+	HD+	HD+	HD+
Playback with integrated MainConcept MPEG 2 and H.264 codec, <a href="#">more</a> .	HD+	HD+	HD+	HD+	HD+	HD+	HD+	o
Playback of uncompressed videos or picture sequences with higher resolution in UHD and more	-	-	-	-	-	o	-	-

Import and editing of picture sequences on video tracks, i.e. fast motion effects from DSLR or sequences from animation programs; intermediate video files can be adjusted to the presentation solution, <a href="#">more</a> .	o	o	o	o	o	o	o	o
Optimized playback through intermediate video data allow problem-free operation even for complex projects and critical videos	o	o	o	o	o	-	o	o
Frame-accurate cutting, even during performance-saving editing of display data	o	o	o	o	o	o	o	o
Pitching for videos, i.e. stretching or compressing video objects for syncing, slow or fast motion.	o	o	o	o	o	o	o	o
Cut Mode for efficient cutting of video objects	-	-	-	o	o	o	-	o
Keyframe control for position, size, aspect ratio, 3D rotation in all three axes, as well as color, <a href="#">more</a>	o	o	o	o	o	o	o	o
"Picture-in-picture" effects, <a href="#">more</a>	o	o	o	o	o	o	o	o
"Video-in-picture" effects, <a href="#">more</a>	o	o	o	o	o	o	o	o
Inclination and distortion in all three axes, <a href="#">more</a>	o	o	o	o	o	o	o	o
Keyframe controlled color alteration through subtraction (like filters for recording), <a href="#">more</a> .	o	o	o	o	o	o	o	o
Deinterlacing offline and/or online, <a href="#">more</a> .	o	o	o	o	o	-	o	limited
Contrast optimization through tonal value adjustment in real time, <a href="#">more</a> .	o	o	o	o	o	o	o	o

Transparency control through masks, video and live video objects, <a href="#">more</a> .	-	-	-	o	o	-	-	o
Chroma keying for turning picture elements in videos transparent (blue box effect), <a href="#">more</a> .	-	-	-	o	o	-	-	o
Video loop, also asynchronous in Pause Mode, e.g. for animated background, <a href="#">more</a> .	-	-	-	o	o	o	-	o
Live player for instantaneous playback of videos during the presentation	-	-	-	1	n	n	2	n
Rendering as AVI Video (SD = standard resolution PAL/NTSC, HD+ = HDTV resolution and higher), <a href="#">more</a>	HD+	HD+	HD+	HD+	HD+	HD+	-	limited
Rendering as Windows Media Video, <a href="#">more</a> . (SD = standard resolution PAL/NTSC, HD+ = HDTV resolution and higher)	HD+	HD+	HD+	HD+	HD+	HD+	-	limited
Rendering as MPEG 2 video, <a href="#">more</a> . (HD = HD and HDTV resolution)	HD	HD	HD	HD	HD	HD	-	-
Rendering of the show as H.264 video	-	o	o	o	o	o	-	limited
Rendering of the show as H.265 video	-	-	o	o	o	o	-	limited
Rendering of the show as Quicktime video	-	o	o	o	o	o	-	limited
Export of video objects as Wings videos and optional replacement of object contents	-	o	o	o	o	o	-	limited
Presentation of extremely complex shows via mixdown video on video tracks in exclusive mode, <a href="#">more</a> .	-	-	o	o	o	o	-	limited
Integration of imported								

live video sources into a presentation, e.g. from video cameras or TV channels, <a href="#">more</a> .	-	-	-	1	8	16	-	8
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<b>Text</b>	<b>Basic</b>	<b>Starter</b>	<b>Advanced</b>	<b>0Pro0</b>	<b>Vioso</b>	<b>Vioso RX</b>	<b>Avio Master</b>	<b>Demo</b>
Text objects on picture tracks for information, such as titles or credits; object-specific format options	o	o	o	o	o	o	o	o
Text effects, such as 3D contours, Shadow, Outline and Bicolor for text objects.	-	-	o	o	o	-	-	o
Export of text objects as images and optional replacement of text objects by picture objects	o	o	o	o	o	o	o	o
Ticker tracks for ticker objects allow display of running texts in a show, (number, n = any number) <a href="#">more</a>	-	1	n	n	n	-	1	n
News ticker function for displaying the latest information from monitored, external text files (including trigger control), <a href="#">more</a> .	-	-	-	o	o	-	-	o
Interactive prompter function in combination with Stumpfl Iseo or the Avio system, <a href="#">more</a> .	-	o	o	o	o	o	o	o
Keyframe control for position, size, aspect ratio, 3D rotation and color, <a href="#">more</a>	o	o	o	o	o	o	o	o
Notes objects for remarks and comments in the timeline, <a href="#">more</a> .	-	o	o	o	o	o	o	o
Display of information from notes objects in windows during playback, e.g. for keywords and messages, <a href="#">more</a>	-	o	o	o	o	o	o	o

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Media export	Eco	Starter	Advanced	0Pro0	Vioso	Vioso RX	Avio Master	Demo
Rendering as AVI video (SD = standard resolution PAL/NTSC, HD+ = HDTV resolution and higher), <a href="#">more</a> .	HD+	HD+	HD+	HD+	HD+	HD+	-	limited
Rendering as Windows Media Video, <a href="#">more</a> . (SD = standard resolution PAL/NTSC, HD+ = HDTV resolution and higher)	HD+	HD+	HD+	HD+	HD+	HD+	-	limited
Rendering as MPEG 2 video. (HD = HDV and HDTV resolution), <a href="#">more</a> .	HD	HD	HD	HD	HD	HD	-	-
Rendering of the show as H.264 video, presets for various types of applications	-	o	o	o	o	o	-	limited
Rendering of the show as H.265-Video	-	-	o	o	o	o	-	limited
Rendering of the show as Quicktime-Video	-	-	o	o	o	o	-	limited
Rendering of the show as Wings video	-	-	o	o	o	-	-	limited
Rendering of picture sequences at nearly any size, <a href="#">more</a>	o	o	o	o	o	o	-	-
Output of shows with images, videos and stereo sound as EXE presentation <a href="#">more</a>	o	o	o	o	o	-	-	-
Output of complex, interactive shows with several timelines as EXE presentation; playback without the note "Created with Wings Vioso" showing on the screen requires the module "Multi-timeline EXE presentation".	-	-	-	o	o	-	-	-
Output of screen as image file at nearly any size <a href="#">more</a>	o	o	o	o	o	o	o	-
Printing of image lists	o	o	o	o	o	o	o	o

Text of notes objects as text files, <a href="#">more</a>	o	o	o	o	o	o	o	o
Audio files in wave and mp3 format, <a href="#">more</a>	o	o	o	o	o	o	o	-
CF card data for SC Master / Event Control <a href="#">more</a>	-	o	o	o	o	-	o	-
<a href="#">back to top of table</a>								
<b>Presentation</b>	<b>Eco</b>	<b>Starter</b>	<b>Advanced</b>	<b>0Pro0</b>	<b>Vioso</b>	<b>Vioso RX</b>	<b>Avio Master</b>	<b>Demo</b>
Direct presentation from the timeline in full screen mode, <a href="#">more</a> .	o	o	o	o	o	o	-	limited
Simultaneous playback of several timelines, modifications during the presentation	-	-	-	-	-	o	-	-
Multimaster Mode, several operators can play and change their contents during the presentation.	-	-	-	-	-	o	-	-
Output of shows with images and stereo sound as EXE presentations; <a href="#">more</a> .	o	o	o	o	o	o	-	limited
EXE presentation with Speaker Support control via pause markers, navigation bar, jumping to certain chapters/position markers and optional remote control via radio mouse. <a href="#">more</a>	-	o	o	o	o	-	-	limited
Enlarged display of timeline and countdown time in a separate window	-	-	o	o	o	o	-	o
Wings Remote, remote control and Prompter function using mobile devices, such as smart phones and tablets	-	o	o	o	o	o	-	o
Remote control with cable-operated start/stop button via serial PC interface; control of serial	-	o	o	o	o	o	o	-

commands via RS232 or LAN								
Ducking function for volume reduction during live comments via keystroke	-	-	o	o	o	o	-	o
Extended playback control of EXE presentation via graphic menus as well as jumping to next or previous pause marker <a href="#">more</a>	-	-	o	o	o	-	-	-
Presentation of extremely complex shows via mixdown video and video tracks in exclusive mode, <a href="#">more</a> .	-	-	o	o	o	o	-	limited
Control of PowerPoint presentations (for single display presentations only), <a href="#">more</a> .	-	-	-	o	o	-	-	-
Mix variables for interactive live presentations through activation of different layer combinations; optional control via variables, <a href="#">more</a> .	-	-	-	o	o	o	-	o
Live player for instantaneous playback of video and audio files during a presentation	-	-	-	-	o	o	o	o
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<b>Slide Projection</b>	<b>Eco</b>	<b>Starter</b>	<b>Advanced</b>	<b>0Pro0</b>	<b>Vioso</b>	<b>Vioso RX</b>	<b>Avio Master</b>	<b>Demo</b>
Control of slide projectors, <a href="#">more</a> ; (number: up to three or 4 and more)	-	3	4+	4+	4+	4+	3	-
Automatic allocation of slides to the tray compartments; printable lists of slides incl. pictures <a href="#">more</a> .	-	o	o	o	o	o	o	o
Special functions, e.g. Standby, Shutter and Highlight can be controlled for the	-	o	o	o	o	o	o	-

corresponding projectors, <a href="#">more</a> .								
Stereo projection with parallel projector for simple programming, <a href="#">more</a> .	-	-	o	o	o	o	-	-
Support of all EventControl models, <a href="#">more</a> .	-	o	o	o	o	o	o	-
Export of wave files with control signal, <a href="#">more</a> .	-	o	o	o	o	o	o	-
Writing of audio CDs with control signal, <a href="#">more</a> .	-	-	o	o	o	o	-	-
<a href="#">back to top of table</a>								
<b>Multidisplay</b>	<b>Eco</b>	<b>Starter</b>	<b>Advanced</b>	<b>0Pro0</b>	<b>Vioso</b>	<b>Vioso RX</b>	<b>Avio Master</b>	<b>Demo</b>
Simple Dual display for panorama and 3D projection on one computer, <a href="#">more</a> .	-	-	-	o	-	-	-	o
Creation of multidisplay presentations with up to four displays on one computer (requires one license per display)	-	-	-	-	o	o	-	o
Creation of multidisplay presentations via any number of networked computers, <a href="#">more</a> .	-	-	-	-	o	o	-	-
Allows any resolution of shows through usage of any number of projectors and displays.	-	-	-	-	o	o	-	limited
Show preview on the master computer at high quality (full monitor resolution) <a href="#">more</a>	-	-	-	-	o	o	-	o
Any number of layers, crossfade layers for image, audio and video	-	-	o	o	o	o	-	o
Distribution of data via the network to the presentation computers, <a href="#">more</a> .	-	-	-	-	o	o	-	-
Frame-accurate playback on several displays or projectors	-	-	-	o	o	o	-	o



via SmartSync Engine, <a href="#">more</a> .								
Any arrangement of displays and combination of hardedge and softedge is possible, <a href="#">more</a>	-	-	-	o	o	o	-	o
Number of displays within a presentation network is unlimited <a href="#">more</a>	-	-	-	-	o	o	-	o
Creation of softedge masks for overlapping picture areas, <a href="#">more</a> .	-	-	-	o	o	o	-	o
Automatic, camera-based adjustment of the softedge masks	-	-	-	-	o	o	-	o
Display Warp for correction of distortions for projection on uneven or warped surfaces or distortions through the projection lenses, <a href="#">more</a> .	-	-	-	-	o	o	-	o
Automatic Display Warp through camera-based correction of the entire image.	-	-	-	-	o	o	-	o
Compensation of colored, graphic structures of the projection surface by means of camera-based calibration.	-	-	-	-	o	o	-	o
Manual correction of individual displays with regard to color, brightness and gamma.	-	-	-	-	o	o	-	o
Rendering of split videos for presentation of shows at any level of complexity and resolution, <a href="#">more</a>	-	-	-	-	o	o	-	limited
Softedge mask in split videos, <a href="#">more</a>	-	-	-	-	o	o	-	o
Playback of split videos with frame-accurate synchronization via the SmartSync Engine™, <a href="#">more</a>	-	-	-	-	o	o	-	o

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Show Control	Eco	Starter	Advanced	0Pro0	Vioso	Vioso RX	Avio Master	Demo
AVIO system for network-based control and support of Wings IOboxes	-	-	-	o	o	o	o	o
Value variable for control of track transparency and effect parameters	-	-	-	o	o	o	o	o
Variable types Value, Avio, Generator and Internal for Avio and formula parser applications	-	-	-	-	o	o	o	o
Formula Parser for mathematical and logic functions using variables	-	-	-	-	o	o	o	o
Support of Avio scripts by programming language Lua incl. Lua Editor	-	-	-	-	o	o	o	o
Use of external input devices for remote control (partly restricted) <a href="#">more</a> .	-	o	o	o	o	o	o	limited
Programming of 32 Show Control channels (switches, 0-10 Volts, DMX512, 1xserial) <a href="#">more</a> .	-	-	o	o	o	o	o	limited
Programming of any number of Show Control channels for DMX512, MIDI, 0-10 V, RS232/485, switches, TCP/IP, UDP,etc., <a href="#">more</a> .	-	-	-	o	o	o	o	limited
Device port for Stumpfl SC Net, <a href="#">more</a> .	-	-	o	o	o	o	n	limited
Device port for Stumpfl DLC, <a href="#">more</a> .	-	o	o	o	o	o	o	limited
Device ports for SC LAN Module Relay 8out, Remote 8in, DMX512 in/out	-	-	o	o	o	o	n	limited
Device port for Stumpfl								

Iseo (universal media control system) or Wings Remote (Tool for Apple iPod/iPhone), <a href="#">more</a> .	-	-	o	o	o	o	n	limited
Device ports for MIDI IN/OUT , <a href="#">more</a> .	-	-	-	o	o	o	n	limited
Device ports for DMX IN/OUT, e.g. for Stumpfl USB-DMX-I/O and Soundlight DMX-USB-interfaces; (number of DMX channels, n = any number), <a href="#">more</a>	-	-	32	n	n	n	n	limited
Device ports for serially controlled slide projectors, <a href="#">more</a> .	-	o	o	o	o	-	o	limited
Device port for remotely controlling Wings Vioso via RS232/485, TCP/IP, <a href="#">more</a> .	-	-	o	o	o	o	o	limited
Device ports for PC keyboard and joystick as well as serial/LAN ports (number of the corresponding ports, n = any number), <a href="#">more</a> .	-	-	1	n	n	n	n	limited
Device port for Tascam US224/428, <a href="#">more</a> .	-	-	o	o	o	o	o	limited
Device port for Mackie Control, <a href="#">more</a> .	-	-	-	o	o	o	o	limited
Device port for motion bases, e.g. Cyberseat and Rexroth Micro Motion, <a href="#">more</a> .	-	-	-	-	-	-	-	limited
Serial control of devices via TCP/IP or drivers from the database, <a href="#">more</a> .	-	-	-	o	o	o	o	o
Audio input and output can be used as device port, e.g. for controlling effect parameters	-	-	-	o	o	o	o	o
Control Panel for direct, timeline-independent control of devices, status display for control channels, etc., <a href="#">more</a> . (Number of pages, n = any number)	-	-	-	n	n	n	o	n

Triggers for timeline control, <a href="#">more</a>	-	-	o	o	o	o	o	o
Triggers for extended show control, <a href="#">more</a>	-	-	-	o	o	o	o	o
Triggers for control of multidisplay setups, <a href="#">more</a>	-	-	-	-	o	o	-	-
Triggers for interactive applications, <a href="#">more</a>	-	-	-	o	o	o	o	o
Execution of triggers via function key or mouse-click, <a href="#">more</a> .	-	-	o	o	o	o	o	o
Execution of triggers via mouse-click on objects on the screen; allows design of interactive user interfaces, <a href="#">more</a> .	-	-	-	o	o	-	-	o
Execution of triggers via Control Panel, <a href="#">more</a> .	-	-	-	o	o	o	o	o
Execution of triggers via trigger markers in the timeline, <a href="#">more</a> .	-	-	o	o	o	o	o	o
Execution of triggers via Scheduler, <a href="#">more</a>	-	-	-	o	o	o	o	o
Combination of several triggers and execution via Control Panel, <a href="#">more</a>	-	-	-	o	o	o	o	o
Execution of a trigger list via trigger marker or serial command	-	-	-	o	o	o	o	limited
Timecode synchronization (master or slave), <a href="#">more</a> .	-	-	-	o	o	o	o	-
Controller input for recording and live control, <a href="#">more</a> .	-	-	-	o	o	o	o	-
Recording, editing and playback of DMX512 light shows, <a href="#">more</a> .	-	-	-	o	o	o	o	-
Recording of control information from external input devices in data objects, <a href="#">more</a> .	-	-	-	o	o	o	o	-
Autostart functions, e.g. Playback of timeline X from position marker 1, <a href="#">more</a> .	-	o	o	o	o	o	o	-

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This is how [additional modules and licenses can be installed](#).