



Mbox® Studio/Studio+ v4.4

Mbox® Studio v4 is a media server application based on PRG's Mbox Designer v4 software. Mbox v4's user interface makes configuration easier, and a rewrite of the playback engine provides significant performance gains. Mbox Studio can handle both 4K playback and output. Studio v4 can have up to eight independently mastered outputs, and the new output and mix setup options make Mbox incredibly flexible.

The Studio+ license upgrade expands the capabilities of Mbox Studio. This upgrade enables an additional 4K video output, 8000 additional pixels for pixel mapping, 8 added Image Remapping configurations, and also Syphon output from layers.

Mbox v4 includes support for NewTek NDI® for video input, as well as enhanced frame blending and direct playback of stand-alone audio files.

Mbox Studio operates identically to Mbox Designer in setup, playback, effects, and transition functions. Studio can be controlled by moving light consoles (via Art-Net or sACN), allowing ease of coordination between video/image effects and lighting cues. Studio can also be controlled by Mbox Director, a simple yet sophisticated GUI application that allows for cue creation with triggering by timeline, MIDI, OSC, or Art-Net/sACN. Whether used with Director or a console, Mbox's ease of use and speed of programming are second to none.

Like Mbox Designer, Mbox Studio includes: single-layer crossfades; pixel mapping with Art-Net, sACN, or KiNET output, mastering, and merging; Image Remapping for custom LED mapping and scenic tracking; and Syphon input/output and C1TP for media thumbs and feedback to consoles or visualizers.

Software & Hardware Requirements

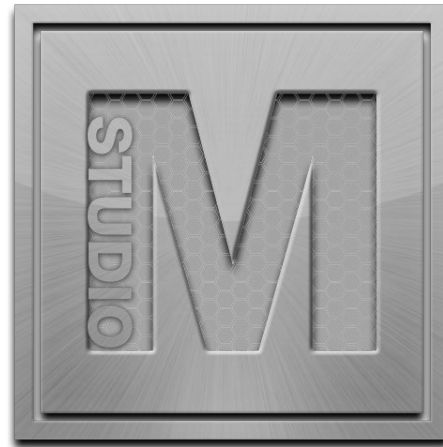
The Mbox Studio v4 software will run on any 64-bit Intel Apple Mac computer (MacBook Pro, Mac Mini, iMac Pro, Mac Pro, etc.) using OS X 10.9 Mavericks or newer versions of the operating system.

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VERSION: v4.4.3 JANUARY 18, 2021



Features

- FULLY CUSTOMIZABLE VIDEO OUTPUT SETUP WITH MULTIPLE OUTPUTS* PER SERVER. UP TO 8.85 MILLION PIXEL TOTAL OUTPUT - 4096x2160 WITH STUDIO, 17.69 MILLION PIXEL OUTPUT - 8192x2160 WITH STUDIO+
- 12 INTERACTIVE, SCALABLE LAYERS FOR STILLS, MOVIES, AUDIO FILES, VECTOR GRAPHICS, OR 3D OBJECTS
- UP TO 65,535 2D STILLS/MOVIES/AUDIO FILES AND UP TO 255 VECTOR/3D OBJECT FILES
- 8000 PIXELS OF PIXEL MAPPING (16,000 WITH STUDIO+) WITH GROUP CONTROL AND BUILT-IN MERGE
- MAPPING OF TEXTURES (STILL IMAGES OR VIDEOS) TO 3D OBJECTS AND DIGITAL GOBOS
- UP TO 8 FULLY INDEPENDENT OUTPUT/SUB-OUTPUT MASTERS WITH OVERALL DIMMING, COLOR, EFFECTS, GEOMETRY, KEYSTONE, AND SHUTTER
- VIDEO OUTPUT VIA STANDARD COMPUTER VIDEO OUTPUTS (DISPLAYPORT/HDMI/DVI) OR THROUGH BLACKMAGIC DESIGN DECKLINK AND ULTRASTUDIO THUNDERBOLT DEVICES*
- 4 LIVE VIDEO INPUTS* - BLACKMAGIC DESIGN DECKLINK AND ULTRASTUDIO THUNDERBOLT, ACTIVE SILICON PHOENIX, QUICKTIME STREAMS, USB, FIREWIRE
- 8 NEWTEK NDI® INPUTS - RECEIVE HIGH-QUALITY, LOW-LATENCY VIDEO-OVER-IP STREAMS
- MOVIE PLAYBACK USING INDUSTRY STANDARD CODECS - APPLE PRORES, H.264, P-JPEG, & H.264/MP4
- IMAGE SEQUENCE PLAYBACK (8/16-BIT TIFF OR PNG)
- PERFECT PLAYBACK SYNCHRONIZATION BETWEEN OUTPUTS AND SERVERS WHEN USING MBOX MASTER CLOCK SYNC
- REAL-TIME CROSSFADES AND TRANSITIONS BETWEEN IMAGERY ON THE SAME LAYER WITH 60+ STOCK AND CUSTOM TRANSITIONS
- 150+ BUILT-IN EFFECTS WITH TWO EFFECTS PER LAYER AND ONE EFFECT PER OUTPUT MASTER - COLOR MANIPULATION, BLUR, CROP, DISTORTION, KEYING, AND MORE
- 35+ MOVIE PLAYBACK MODES INCLUDING LOOP, SYNC TO MASTER, SYNC TO TIMECODE, XFADE ON LOOP
- STEREO AND MULTI-CHANNEL AUDIO PLAYBACK WITH BOTH MASTER AND PER-LAYER VOLUME CONTROL
- INTERACTIVE SCENIC TRACKING FOR 2D SYSTEMS
- INTEGRATED C1TP/MSEX FUNCTIONALITY FOR THUMBNAILS AND STREAMING VIDEO COMPATIBILITY WITH CONTROL CONSOLES AND VISUALIZERS (SUPPORTS STREAMS FROM OUTPUTS, LAYERS, AND MIXES)
- REMOTE MONITORING, CONFIGURATION, AND MEDIA SYNCHRONIZATION THROUGH MBOX REMOTE
- CONTROL VIA ART-NET, SACN, DMX*, OR BY MBOX DIRECTOR, WHICH ALLOWS ON-SCREEN PROGRAMMING AND MANUAL, TIMELINE, OR REMOTE TRIGGERING USING MIDI, OSC, SACN, OR ART-NET
- IMAGE REMAPPING - 8 CONFIGURATIONS (16 WITH STUDIO+) FOR CONFIGURING PIXEL PLACEMENT, SCALE, ROTATION, AND COLOR ON A PER-LAYER BASIS. WITH REAL-TIME ADJUSTMENTS FOR EFFECTS OR SCENIC TRACKING
- SYPHON INPUT (4) AND OUTPUT (GLOBAL SURFACE AND ALL OUTPUTS, LAYER OUTPUT WITH STUDIO+)
- 3D PROJECTION MAPPING - 3D ENVIRONMENT WITH POSITIONABLE VIEWPOINT, OBJECTS, AND LIGHTING FOR 3D PROJECTION

*REQUIRES ADDITIONAL USER-SUPPLIED HARDWARE