

SOFTWARE RELEASE NOTES



Product: Mbox Media Server
Manufacturer: PRG
Subject: Software Version 5.1
Bulletin No: MBX-066
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INTRODUCTION

Mbox Software Version 5.1

We are pleased to announce that software version 5.1 is now available for the Mbox Media Server applications including Mbox, Mbox Director, Mbox Daemon, and Mbox Remote! Mbox software version 5.1 introduces new features and addresses issues in the Mbox v5.x applications. This release also includes new versions of several utility applications included with the Mbox installer - Art-Net Tester, Mbox Controller, MboxLauncher, Media ID, and TC Reader.

Compatibility with Apple Silicon Processors - M1/M2/M3 - and macOS versions

All Mbox 5.x applications are universal applications and will run natively on Apple Silicon and Intel computers. All Mbox v5.x applications require at least macOS 10.14.6 and are compatible with all versions of macOS up to and including macOS 13 Ventura. The use of macOS 14 Sonoma is still not recommended at this time. If you must use Sonoma and experience issues, please contact MboxSupport@prg.com for assistance.

Mbox, PRG, and your Personal Data

Please refer to the release notes for Mbox software version 5.0.2 (MBX-065) for information regarding PRG's use of your personal data. Please contact MboxSupport@prg.com if you have any questions.

New and Updated Features

Mbox:

- + Art-Net universes up to universe 32767 are now supported for both input and output. This includes control input, pixel mapping output and merge input, and image remapping control input.
- + Pixel mapping output now allows fixtures to use up to 2048 addresses and to span across up to 4 universes.
- + Pixel mapping merge input now allows the merge input for a fixture to use up to 2048 addresses and to span across up to 4 universes.
- + Unique identifiers for connected video output display devices (e.g. monitors) are now stored when outputs are assigned to displays. When the Mbox application launches, it attempts to reconnect displays to the correct output, in order to avoid previous issues with displays becoming mis-assigned after a reboot.
- + Movies using the ProRes 4444XQ codec are now played using Mbox's optimized playback engine rather than the default AVFoundation engine.
- + The License Controls window now allows a QLM soft-license to be revalidated.
- + When the application launches, if the current user does not have write permission for critical locations, an alert is shown.
- + When installing dongle drivers, the Mbox installer now checks the currently installed version of dongle drivers and recommends an update if the current version is too old.
- + When installing dongle drivers on Apple Silicon computers, the Mbox installer now checks to see if Rosetta is already installed and attempts to install it if not already installed.
- + A new preference allows the NDI output format to be either YUV (no alpha channel) or RGBA (with alpha channel).
- + A new preference allows the NDI output frame rate to be selected from a set of typical rates.
- + A new preference allows logging for the dmx2osc functionality to be enabled or disabled.



- + Media scan conflict reports now include script, mask, and grayscale file types.
- + Effect #231 Z Spin with Smoothstop at 127 can now spin 3D objects.

Director:

- + Art-Net universes up to universe 32767 are now supported for control output, passthrough input, and trigger input.

Remote:

- + Pixel mapping allows fixtures to be patched to Art-Net universes up to 32767. This change affects addressing, readdressing, next address, and patch error checking.
- + Pixel mapping fixture profiles allow Art-Net and sACN fixtures to have up to 2048 addresses and to span across up to 4 universes.
- + Pixel mapping merge input configuration allows merge input for a fixture to use up to 2048 addresses and to span across up to 4 universes.
- + Pixel mapping Fixtures tab adds a right-click option to rename multiple selected fixtures. The renaming window allows sorting of the selected fixtures by: universe then address, X then Y, Y then X, or name. Rename options include removing or appending text, and the addition of a sequential numerical prefix or suffix.
- + Pixel mapping Fixtures > Patch and Fixtures > Merge tabs' existing readdressing multiple selected fixtures window now allows sorting of the selected fixtures by: universe then address, X then Y, Y then X, or name.
- + Pixel mapping merge readdressing provides an alert when attempting to readdress multiple fixtures' merge address but one or more selected fixtures do not have a merge mode selected.
- + Pixel mapping Merge tab now allows merge mode to be set for multiple selected fixtures at the same time, rather than only one at a time.
- + Pixel mapping profile creation/editing adds a new column to allow each patched pixel to have a descriptive label.
- + Pixel mapping profile creation/editing allows pixel type to be set for all selected pixels at the same time, rather than only one at a time.
- + Pixel mapping profile creation/editing allows multiple selected pixels to be readdressed sequentially.

IMPORTANT: Refer to the Mbox Remote v5.1 User Manual for information related to pixel mapping universe-spanning.

Corrected Issues

Mbox:

- + Stability fixes for Blackmagic input/output device discovery and configuration.
- + Fix orientation of pixel mapping source sampling from Global Surface and layers.
- + Fix sampling issues with pixel mapping sources when their origin is not 0,0 or their sampling dimensions are resized.
- + Fix Image Offset X/Y parameters (in Remote's Projection Editor) to eliminate incorrect perspective shift.
- + Mbox in demo mode allows 100 pixel mapping pixels.
- + Fixes for Layer Info HUD to show more accurate in/out time values.
- + Fix for Mix HUD to make Mix name labels move with the outline when the mix is moved.
- + Fix issue with absolute in/out frame mode when used with the Restart playmode.



- + Remove streaming feedback visualisation mode which could cause a crash. Use NDI output instead.
- + Increase width of universe text fields to eliminate clipping of 5-digit universe values.

Daemon:

- + Remove streaming feedback visualisation mode option which could cause Mbox to crash

Director:

- + Eliminate comma separators in universe fields that could cause formatting issues.
- + Eliminate patch error when Mbox and Serial Over Ethernet/OSC Sender fixture have the same IP Address.
- + Update Art-Net/sACN trigger preference UI to show correct universe ranges.
- + Increase width of universe text fields to eliminate clipping of 5-digit universe values.

Remote:

- + Pixel mapping universe entry now allows the correct range for both sACN and Art-Net.
- + Eliminate comma separators in various fields that could cause formatting issues.
- + Fixes for continuous update of text elements (e.g. timecode, server state) on Status tab.
- + Fix for crash with macOS Sonoma 14.5, related to Status tab text updating.
- + Change tab order of text fields in pixel mapping context configuration area to be more logical.
- + Increase width of universe text fields to eliminate clipping of 5-digit universe values.

Changes and Fixes for Utility Applications

Art-Net Tester:

- + Channel tiles now dim to black if the associated universe stops sending updates.
- + Improve UI response when resizing window.
- + New UI scheme for channel tiles to improve responsiveness when multiple universes are being viewed.
- + Universe table now maintains existing universe selection when universes appear or disappear.

Mbox Controller:

- + Support for Art-Net universes up to 32767.
- + Generic channels profile now allows a full universe of 512 channels.

TC Reader:

- + Support for eight audio input channels.

Known Limitations

Mbox:

- + Please refer to the Release Notes documents for Mbox 5.0, 5.0.1, and 5.0.2 for known limitations.