

# ETC Release Note

## High End Systems Hog 4

High End Systems Hog 4  
Version 4.0.0 System Software

Effective 2024-03-13

Hog 4 Software Components

H4OS Version	4.0.0 b3673
Fixture Library Version	5.0.161

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## Features and Enhancements

### Color Handling

v4.0.0 represents a major overhaul of the color mixing systems used in Hog 4 OS. Substantial changes have been made to the Fixture Library, Colour Picker, Gels, Palettes, Effects, Plots, Pixel Mapping, and the playback of color. Additive color mixing functions such as I-Red, I-Green, and I-Blue are no longer used and the muxing of color mixing and intensity functions has been eliminated. For more details about the new fundamentals of Hog OS color mixing please refer to section 2.6 in the Hog 4 OS Online Help included with the v4.0.0 software.

### Colour Picker

Hog 4 OS v4.0.0 features a new Colour Picker window with a tabbed interface that features a wide variety of controls for quickly and seamlessly mixing color across all fixture types. To learn more about the new Colour Picker window please refer to section 6.3.5 in the Hog 4 OS Online Help included with the v4.0.0 software.

### Colour Mix Preview in Editors and Output Window

A new Colour Mix preview column has been added to the output window and editor windows. The background color of these cells indicates the physical color mix being output by the fixture. Fixtures that don't have color mixing abilities display hashes in the Colour Mix preview column.

### Record Defaults

Record Defaults is a function that provides operators with a quick and simple way to establish default function values for fixtures by using the modified values in the programmer to establish function defaults. To learn more about Record Defaults, please refer to section 5.11.2 in the Hog 4 OS Online Help included with the v4.0.0 software.



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## MIDI Map Test and Mute

New options to test and mute individual MIDI map entries have been added to the MIDI Map Editor Window. Muting MIDI note map entries allows operators to disable specific parts of the map without having to delete the entry. Testing MIDI map entries allows the operator to mimic a MIDI message to check the resulting Hog 4 functionality when the message is received. Please note that testing a MIDI map entry does require a hardware assignment for the MIDI Map. For more information, please refer to section 21.2.2 in the Hog 4 OS Online Help included with the v4.0.0 software.

## Fixture Builder Enhancements

Fixture builder has a few minor upgrades in v4.0.0 including additional basic mode templates for modeling additive color model fixtures, automatic application of virtual intensity to fixtures with color mixing systems, and the addition of more user edible fields such as mode and product.

For information about recent releases, see [Release History on page 6](#).

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### Compatibility

This release is compatible with the following Hog 4 hardware and software:

- Hog 4, Hog 4-18
- Full Boar 4
- Road Hog 4, Road Hog 4-21
- HedgeHog 4, 4N, 4S, 4X
- HPU
- Rack Hog 4
- Hog 4 Wings (Playback Wing 4, Master Wing 4, MiniWing 4, Nano Hog 4, Hoglet 4)
- Hog 4 Widgets (Single Widget, Super Widget, SuperDuper Widget, MIDI/LTC, Gadget II)
- Hog 4 PC
- DP8K

### Incompatibility

Show files created with Hog 4 v4.0.0 are **NOT** backwards compatible with older versions of Hog 4 OS.

Pre-existing Hog 4 show files are **NOT** compatible with Hog 4 v4.0.0.

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### Corrected Issues in v4.0.0

- H4OS-9148 FPS Vector allocation causing RAM allocation problem
- H4OS-8996 H4PC Desktop Crash Opening and Closing Virtual Wing Window
- H4OS-8871 Highlight doesn't work after fixture XML import until log off/on
- H4OS-8392 MIDI Note Number column is sorted by the first number
- H4OS-8386 Recalling a view with the virtual wing window numerous times crashes desktop
- H4OS-8308 GUI Front Panel Faders do not move with incoming OSC messages
- H4OS-7703 FM macro timing occurs as a delay, not a fade
- H4OS-7559 Qualifiers don't work properly with CMY
- H4OS-7165 License Priority column is sorted by the first number
- H4OS-4947 Groups don't recall fixtures correctly if fixture count is over 16384
- H4OS-4316 Fixture Builder: Account for Warm White and Cool White color functions in virtual intensity
- H4OS-3118 Value disappears when adjusting CCT or duv slider
- H4OS-2440 If a single parameter uses a continuous unit and doesn't have a stringmap, no preview
- H4OS-2317 Crossfades between RGB and CMY/HS not smooth unless all parameters are touched
- H4OS-2254 Incorrectly fading from the programmer into playback when switching color spaces
- H4OS-2121 Intensity white is inconsistent with master intensity
- H4OS-2120 RGB fixtures do not mark in cue lists
- H4OS-2119 HS values not in playback after updating, if no color values were present before the update
- H4OS-2118 Cannot switch from i-RGB to CMY or HS in an editor (HSI and CMYI support needed)
- H4OS-2116 Cannot switch from CMY or HS to i-RGB in an editor (HSI and CMYI support needed)
- H4OS-2115 Cannot switch from CMY to Hue/Saturation in an editor
- H4OS-1520 Console does not properly calculate the stomping of CMY xfades between cuelists for RGB LEDs

### Remaining Issues in v4.0.0

- H4OS-9218 Hog 4 PC moves Playback Bar 0 to 0% upon show join (Please see known work around below)
- H4OS-9062 Hue Effects are very jumpy on 8 emitter color mixing fixtures

Known Work Around for H4OS-9218:

Move all items on Playback Bar 0 to Playback Bar 1 or higher before logging in with Hog 4 PC

Or

In Preferences set the Page Change Action to Leave in Background, go to a blank Page, log in with Hog 4 PC, go back to the original Page and then set the Page Change Action back to Release All

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### Availability

This software is currently available for download from the ETC website.

### Installation

#### Application Software

All consoles require a full install of Hog 4 OS v4.0.0.

Hog 4 PC can be upgraded to v4.0.0 by running the msi installer.

For installation instructions, please see [Resources](#).

#### Fixture Library

Hog 4 OS comes with Fixture Library 5.0.161.

v4 fixture libraries are not compatible with Hog 4 OS v4.0.0.

To use custom fixture profiles built in v3.x and older software:

- Use the fixture builder in v3.19.x software to export the custom fixture profile to XML.
- Import the XML using the Import XML option in the v4.0 fixture builder.

### Resources

Please keep these release notes with your installation guide for descriptions of the newest features, changes, and bug fixes.

Full installation instructions for Hog 4 PC can be found in Chapter 31 of the manual

Full installation instructions for Hog 4 Consoles can be found in Chapter 30 of the manual

Additional support resources are available in our Knowledge Management System at [support.etcconnect.com](http://support.etcconnect.com).

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## Hog 4 v4.0.0

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### Release History

#### v3.20.0

*Effective 2024-01-15*

- Support for HPU Motherboard Revision
- Linux Kernel upgrade to Bullseye
- Space added between masters in Virtual Wing Window
- OSC Bundles

#### v3.19.1

*Effective 2023-04-18*

- User Scalable Virtual Front Panel
- Encoder Wheel Buttons added to Virtual Front Panel
- "Panel Always on Top" option added to Hog 4 PC Virtual Front Panel
- Virtual Wing Window Overhaul
- New Gadget II v2 Support
- Option to set HPU vent light start up level on (Newer v2 Widgets only)

#### v3.19.0

*Effective 2022-11-31*

- Windows 11 Support
- Auto Update New Effect Off Rules
- CITP Support for Hippo 4.6
- Fixture Scheduler "Robot" Icon
- Plots Gangs Lines Color Change
- Close All Windows Keyboard Shortcut
- Stealth Mode - Output Window Color Modification
- Query Menu Function List Ordering
- Hog 4 PC Front Panel now scales
- DMX Widget v2 - HPU

For full release history, please see:

[Hog 4 OS Software Versions](#)