



# HippoPortamus



## The HippoPortamus

Power and Portability, two attributes rarely found in a media server. Meet the HippoPortamus. Designed around the same feature set as its bigger family members, this laptop based server holds all the tools necessary to perform world class events, yet slips easily into a laptop bag to allow the travelling professional to take shows with them wherever they go.

Running on one of the world's most powerful mobile machines, HippoPortamus retains all the features you've come to expect from a Hippotizer allowing playback of video up to HD 1080p in rich smooth quality. Built in media encoding and media management means that handling content is a breeze. Realtime functionality is enhanced by Hippotizer's new software decoding features.

HippoPortamus: Power and flexibility wherever creativity takes you.

## Technical Data Sheet

Published March 2011 for Software Version 3.1

### Main features

- Full HD playback with unrestricted output resolution
  - Compatible with most industry standard output extenders
  - 3 layers of simultaneous HD playback without dropping frames
  - Class leading video playback and real-time rendering
  - 6 media layers (+6 mask layers)
  - PixelMapper with unrestricted number of output universes
  - 2 FX engines per layer - 100+ effects per FX engine
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- Frame accurate synchronisation across multiple servers
  - Media Manager with live media updating
  - ScreenThief for Ethernet video capture
  - Keystone and ScreenWarp for non-linear projection surfaces
  - Soft-edge blending
  - Timeline for stand-alone operation
  - HippoNet
  - External control via DMX/MIDI/TCP-IP/OSC/RS232
  - High performance 3D show visualisation integration via CTP and HMap2
  - Map to the most complex LED setups using the award winning VideoMapper
  - Create stunning multi-screen shows with UberPan controller driving upto 8 render modes
  - Use LiveMask to create complex masks in realtime to project onto complex scenery or buildings

[www.hippotizer.com](http://www.hippotizer.com)

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Green Hippo is constantly improving its product range, so specifications are subject to change.





# Hippo Portamus

## Physical

**Dimensions:** 395 x 280 x 40mm (15.6 x 11.0 x 1.6 inches)

**Weight:** 5.5 kg (12.13lbs)

**Case Type:** Laptop

**Boxed For Shipping:** 490mm x 430mm 125mm  
(LxWxH)

### Environmental Tolerances:

Operating Temp. Range: 5° - 35°C (40° - 95°F)

Humidity: 5% - 95% (non condensing)

Altitude: 0-8850ft (0 - 2700m)

## Hardware

**Voltage:** 107 - 240v 50-60Hz Auto Switching

**Power Consumption:** 1.5 amps

**Media Drives:** 1

**Total Media Storage Space:** Over 15h HD / 50h SD content

**Pro-Connectors / Breakout Panels:** No

## Inputs and Outputs

**Outputs:** Single unrestricted video output using VGA / RGBHV, DVI  
Control outputs using RS232\*\*, Ethernet control, DMX over Ethernet and HippoNet

**Compatible Output Splitters:** Matrox DualHead2Go and TripleHead2Go, EMSiVU4, Datapath x4

**Max Output Resolution:** 1 output @ 1920 x 1080  
(using output extenders) 2 outputs @ 1280 x 1024  
4 outputs @ 1024 x 768

**Video Inputs:** ScreenThief Ethernet Capture, Single Composite \*\*

## Audio, Control & Patching

**Audio:** Audio playback on separate layers, Volume and balance control, Multi-channel audio playback and Master volume control

**Control:** RS232\*\*, Midi\*\*, DMX over Ethernet and TCP/IP, OSC and DMX512\*\*

**Patching:** Basic patching of DMX, Midi and RS232, Midi 'Learn' patch, Diagnostics

\*\*Yes - requires optional interface

## Media

**Supported Media Formats:** Quicktime, MPEG1, MPEG2, AVI, DIVX, Windows Media, MPEG4, DV, PNG, JPEG, BMP, TIFF, TGA, Image sequences

**Maximum Media Size and Playback Resolution:** 1920 x 1080

**Maximum Number of Media Layers:** 6 (+ 6 x mask layers)

**Media Management:** Remote media upload, Automatic media conversion, Drag & drop media upload and mapping, Live media update, Media thumbnails, 256 media groups, 256 clips per group, Network synch, Show backup

**Media Playback:** Inter-frame blending for super slow motion, Inpoint and outpoint adjustments, Playmodes (loop forward, loop backwards, once forwards, once backwards, ping pong, random, pause, rewind on Level 0), Sync to Hippotizer, Sync to Timeline, Alpha channel support, Media generators (rain, snow, clouds, starfields etc), Text Engine and audio mix playback mode

**Media Manipulation:** Geometry control, Colour control (basic & advanced), 16 mix modes, 14 digital effects engines, Up to 9 effects parameters per layer, Transitions, Effects / Transitions editor

**Show Programming:** Unlimited groups, Presets, Tracks and Timelines, Timeline copy and paste, Fadecurve editing, Timeline logic, Cue Controller, Control non Hippotizer devices from Timeline, SMPTE and MTC synchronisation, Fast drag & drop playlist per layer

**Show Pre-visualisation:** HMap2 and CITP for streaming real-time output via local network.  
Compatible visualisers: Light Converse, WYSIWYG, ESP Vision (coming 2011), Capture

## Components

**PixelMapper:** No software limitations on number of output universes, Fixture designer, Personalities for fixtures included, Drag & drop mapping interface, Flexible source mapping, Full Kinet Tier 2 and Artnet auto discovery

**VideoMapper:** Tile Wizard, Intuitive drag & drop interface, Independent scale and rotation for each tile, support for output extenders, colour correction per tile, up to 255 VideoMaps with instant switching

**TextManager:** Import full text files, Quick text, Any font and size, Unicode support (non standard character set i.e. Chinese or Swedish), Animation and Image support

**UberPan:** Link in as slave, 8 slave (outputs) when used as Master, Virtual Media Manager, Media synchronisation, Media splitting, Canvas splitting, Support for 2 canvases & configurations

### Other Components:

LiveMask	- Draws a mask directly into any layer / the master output
Scheduler	- Trigger timelines or events from a clock
Automation tracking	- Follow scenic stage elements
Chat	- Communicate with other crew members
HMap2 & CITP	- Lighting console and visualiser integration
PinBridge	- Re-map and group control pins
PhatController	- Control external devices via RS232 or TCP/IP
TelNet Control	- TCP/IP interface to HippoNet
ToolBox	- Remote wakeup and shutdown of units
OSC	- Open Sound Control interface
Colour correction	- Full Gamma curve control of the outputs
BeatBridge	- Audio analysis
Synchro Component	- Synchronise media players
HippoSnapper	- Grab layers or output and save as image

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