

GrassHopper



The Hippotizer GrassHopper

If your project needs a single output of full HD in a robust but compact rackmount form then meet the Hippotizer GrassHopper. This new addition to the Green Hippo range brings a wealth of possibilities to any show whilst ensuring you don't compromise quality when meeting the budget.

GrassHopper shares all the software features of its close relative the Hippotizer HD. Its unrestricted output resolution allows you to drive a single HD display or lets you get the best from output extenders such as Matrox multi-head adapters, the EMS-iVU4 or Datapath x4.

Use it as a stand-alone player, with VideoMapper or make it work hard as part of an UberPan rig to provide the flexibility, ease of use and array of configuration options you've come to expect from any member of the Hippotizer family.

Main features

- Full HD playback with unrestricted output resolution
- Compatible with most industry standard output extenders
- Wide range of input options including HD-SDI, DVI
- Class leading video playback and real-time rendering
- 8 Media layers (+8 mask layers)
- PixelMapper with unrestricted number of output universes
- 2U rackmount case
- Optional patch panel for professional connections
- 2 FX engines per layer - 100+ effects per FX engine
- 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 CIP and HMap2
- Map to the most complex LED setups using the award winning VideoMapper
- Create stunning multi-screen shows as UberPan controller driving up to 8 outputs
- Use LiveMask to create complex masks in real-time to project onto complex scenery or buildings

www.hippotizer.com

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





Technical Data Sheet

Physical

Dimensions:	437.8 x 404.5 x 88.9mm (17.24 x 15.93x 3.5inches)
Weight:	8kg
Case Type:	2U 19" Rackmount
Boxed For Shipping: (LxWxH)	590 x 550x 210 mm (23.23 x 21.65 x 8.27inches)
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:	2.5 amps
Media Drives:	2
Total Media Storage Space:	Over 25h HD / 75h SD content
Pro-Connectors / Breakout Panels:	Optional

Inputs and Outputs

Outputs:	Single unrestricted video output using VGA / RGBHV, DVI Control outputs using RS232, Ethernet control, DMX over Ethernet and HippoNet
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Compatible Output Splitters:	Matrox DualHead2Go and TripleHead2Go, EMSIVU4, Datapath x4
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Max Output Resolution: (using output extenders)	4 outputs @ 1024 x 768 4 outputs @ 1280 x 720 3 outputs @ 1280 x 1024 2 outputs @ 1920 x 1080
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Video Inputs: (single card can be fitted)	1 x HD-SDI, 1 x DVI/VGA, 2 x DVI/VGA, ScreenThief Ethernet Capture
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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, RS232 and Midi. Midi 'Learn' patch, Diagnostics

Media

Supported Media Formats:	Quicktime, MPEG1, MPEG2, AVI, DIVX, Windows Media, MPEG4, DV, PNG, JPEG, BMP, TIFF, TGA, Image sequences
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Maximum Media Size and Playback Resolution:	1920 x 1080
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Maximum Number of Media Layers:	8 (+ 8 x mask layers)
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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
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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
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Media Manipulation:	Geometry control, Colour control (basic & advanced), 16 Mix Modes, 18 Digital effects engines, Up to 9 effects parameters per layer, Effects / Transitions editor, Transitions
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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
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Show Pre-visualisation:	HMap2 and CIP for streaming real-time output via local network. Compatible visualisers: Light Converse, WYSIWYG, ESP Vision (coming 2011), Capture
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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
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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
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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
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Other Components:

Scheduler Automation tracking Chat HMap2 & CIP PinBridge PhatController TelNet Control ToolBox OSC Colour correction BeatBridge Synchro Component HippoSnapper	<ul style="list-style-type: none">- Trigger timelines or events from a clock- Follow scenic stage elements- Communicate with other crew members- Lighting console and visualiser integration- Remap and group control pins- Control external devices via RS232 or TCP/IP- TCP/IP interface to HippoNet- Remote wakeup and shutdown of units- Open Sound Control interface- Full Gamma curve control of the outputs- Audio analysis- Synchronise media players- Grab layers or output and save as image
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*Yes - requires optional interface

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