

# HIPPOTIZER™

## MEDIA SERVERS

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Make your idea a reality.

Design, Prepare and Deliver with the latest additions to the Hippotizer toolkit.



# WHAT IS HIPBOTIZER

Hippotizer has always been the 'Pocket Knife' of media servers; solving lots of problems with a single solution. Combining a new, yet familiar Timeline interface with the re-designed real time 3D SHAPE Visualizer, projection planning tools and intuitive playback control, Hippotizer offers designers the tools to plan, manage and manipulate complex video projects. Deliver on the fly changes or planned sequences with Hippotizer's real time composition engine, enabling you to realize your vision faster.

## INPUT

Hippotizer's familiar layer composition system makes mixing clips and live capture sources fast and intuitive and with a variety of live capture options.

## OUTPUT

Hippotizer's flexible structure makes outputting to any LED wall, projection or pixelpipe, fast and efficient.

## MANIPULATE

All Hippotizer products include an easy to use, feature-rich media management system and built in FX engines that allows users to manage and manipulate their content locally or remotely.

## CONTROL

Hippotizer offers real-time control of any attribute. Simply select a new clip from the ZooKeeper interface or with an external controller via DMX, MIDI, Stream Deck, OSC, Art-Net, MA-Net etc. and it plays instantly.

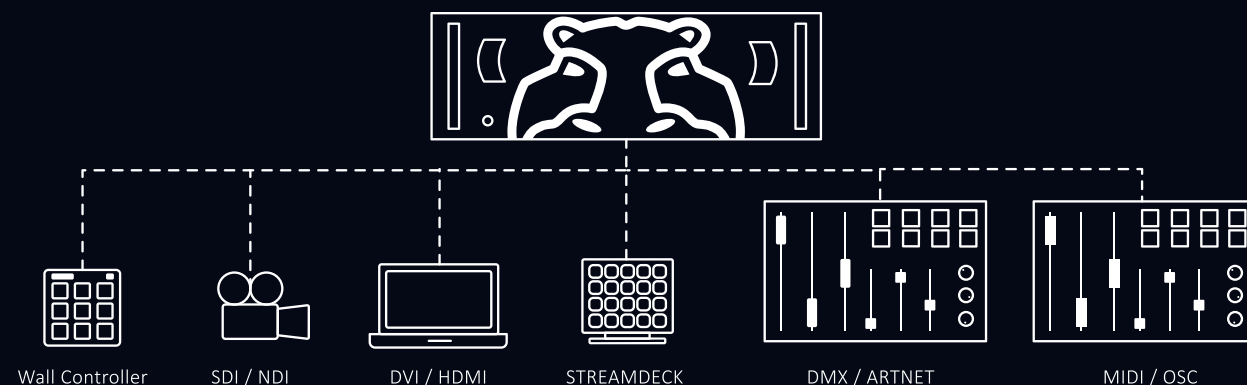
Credit: © battleROYAL / Brendan Shelper

Input your sources and media,  
manipulate your content, output your  
displays and control in real-time.

# ENGAGE YOUR AUDIENCE

Creating a complete visual experience is a combination of content, messaging, and control. Immersive LED, Architectural lighting, 3D projection mapping and 8K+ content must combine for both one-off shows and long-term, reliable installations.

Formed in 2000, Green Hippo has grown from a specialist manufacturer of bespoke solutions, to one of the leading players in real-time media manipulation, 3D mapping and playback. The award winning Hippotizer Media Server range can be found providing real-time video playback for TV and Broadcasts, Live Events, Architectural installations, Theatre and Public spaces worldwide.







Credit: © WWE

# DESIGN ■ PREPARE ■ DELIVER

MAKE YOUR IDEAS A REALITY - GET STARTED WITH HIPBOTIZER V4.6

## PROJECTOR PLANNING

Accurately simulate image brightness, contrast ratio and pixel size for complex projection projects.

## 3RD PARTY 3D TOOLS

Improved integration with 3D tools (C4D, DAE, OBJ) and textures in C4D.

## TIMELINEPLUS

Program hundreds of playback parameters with this keyframe interface.

## SHAPE VISUALIZER

Full resolution, full framerate 3D pre-visualization tool.

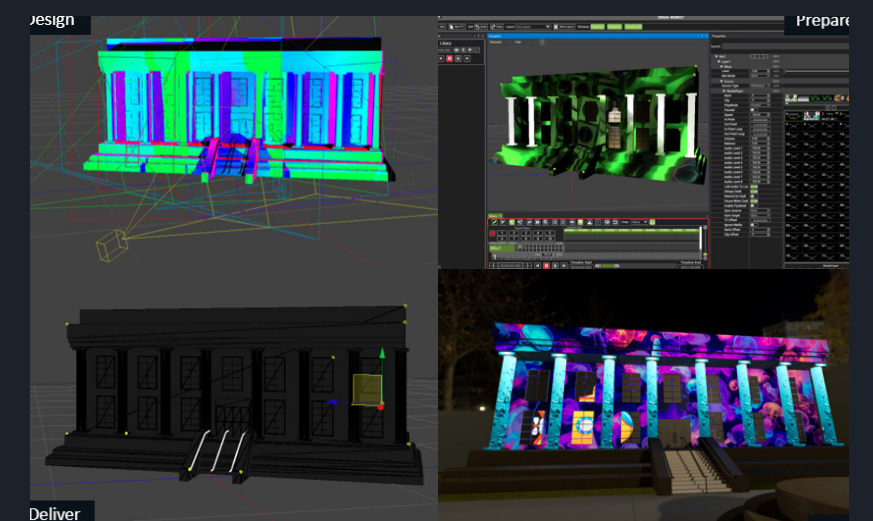
## SCHEDULER

Automate your media playback to react to numerous triggers.

## MPCDI/AXIS INTEGRATION

Automating the alignment and blending of 3D projection mapping.

Hippotizer software version 4.6 introduces an entirely new way to design, prepare and deliver your production. These new features combine the flexibility of Hippotizer's real-time media manipulation system with an all-new Planning, Visualization and Timeline control architecture.

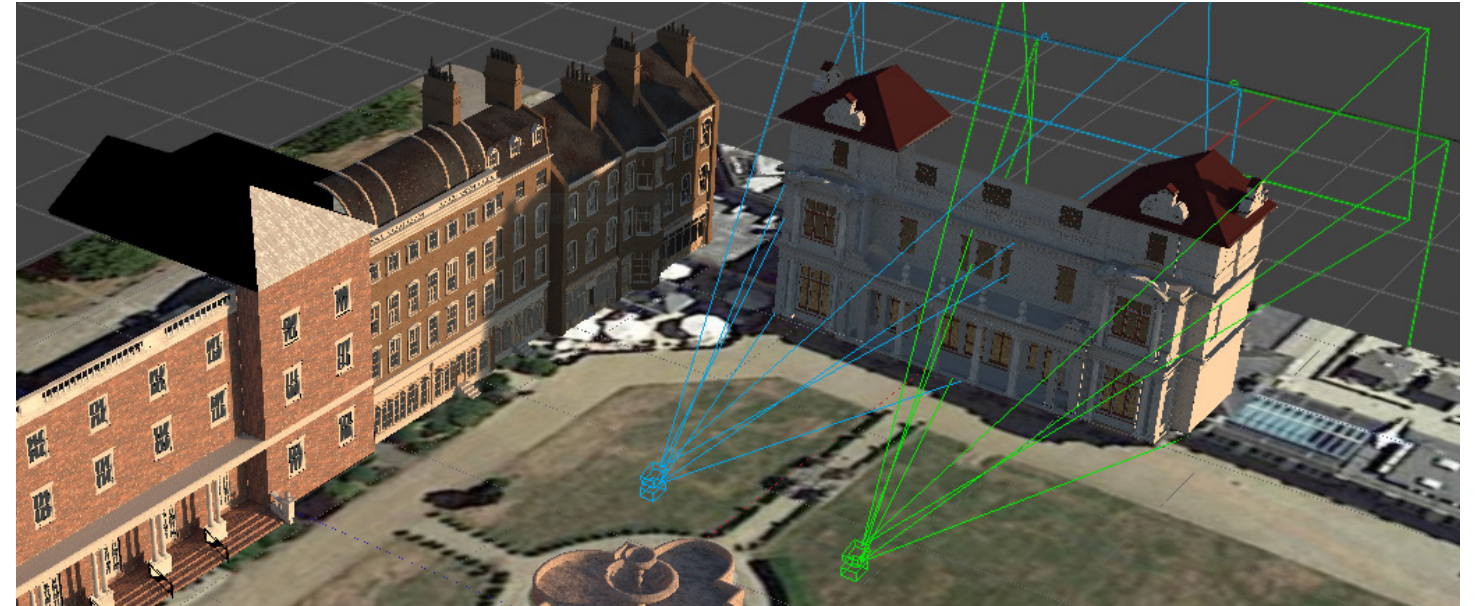




# DESIGN

Upload and collaborate on media, present your ideas before programming, and understand your environment before you go to site. These powerful tools, also available off-line, are the next step in collaborative manipulation and playback.

Credit: © Alma Bengtsson / Popmani



Set the projector location, target brightness and pixel density in SHAPE and use this tool to pick the projector model, number of projectors and the lenses required to create stunning mappings.

With a seamless integration between Cinema4D and SHAPE, collaborating on 3D projects has never been easier. Get ahead and share your findings with your clients and save time by using SHAPE to create visuals to show and explain the set up and requirements for your environment.

## PROJECTION STUDY

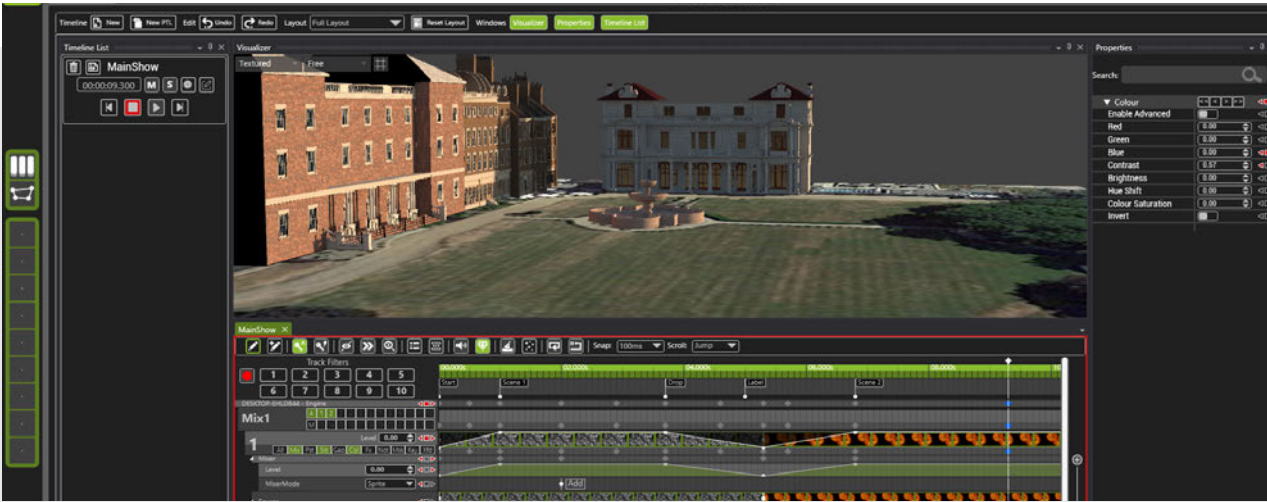
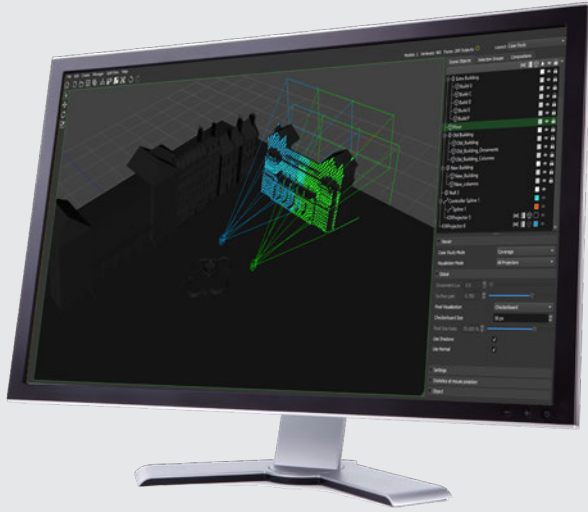
Allowing you to plan projectors for show, whether 3D Mapping or simple edge blending, place your projectors in virtual space and use our 3D tool to take the guesswork out of projection placement including;

- What area can the projector cover?
- How bright is the projection going to be?
- How big are the pixels going to be?
- Do the pixels stretch?



# Visualizer

See it before building it. This powerful pre-programming tool allows models created in common 3D formats to be imported and reduces the steps from concept to reality with a full resolution, full framerate 3D Visualizer, built directly into Hippotizer’s control interface.



# TimelinePlus

With the new TimelinePlus, built from the ground up, this non-linear editor with keyframe interface is a familiar design and editing space with our built in 3D Visualizer, property panels and editor all on a single window.

Program hundreds of parameters quickly and efficiently using Presets, through the properties panel or directly in the Timeline. Simply drag Presets onto the Timeline to create complex sequences in seconds. The unique blind editing functionality means that changes can even be made to a running Timeline.

With an intuitive workflow and seamless integration with Hippotizer’s dynamic real-time engine, easily manage multiple streams of content and make use of the popular playback features to help you realize your project from the very beginning, making Hippotizer an integral piece for every collaborative environment.

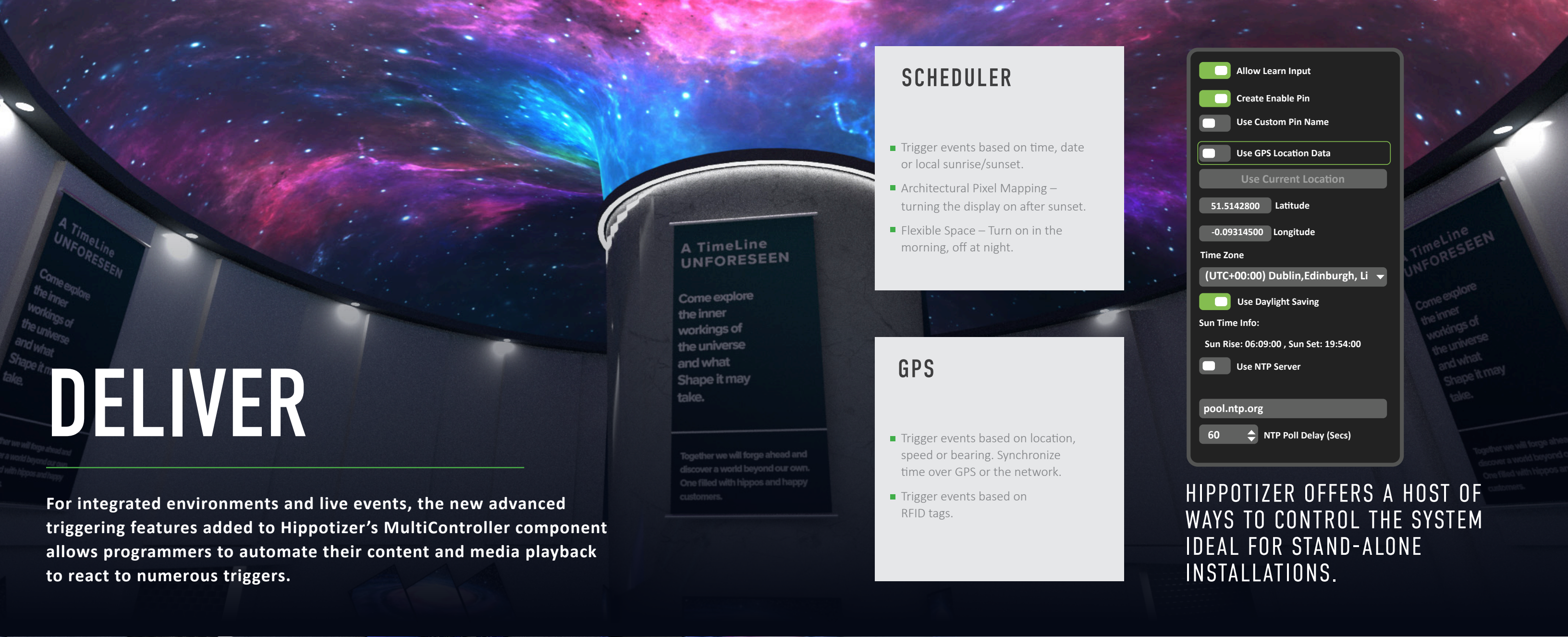


# PREPARE

Popular playback features and real-time changes matched with previsualization tools help you realize your project from the very beginning, Hippotizer is an integral piece for every collaborative environment.

Credit: © Russ Grubiak





# DELIVER

For integrated environments and live events, the new advanced triggering features added to Hippotizer’s MultiController component allows programmers to automate their content and media playback to react to numerous triggers.

## SCHEDULER

- Trigger events based on time, date or local sunrise/sunset.
- Architectural Pixel Mapping – turning the display on after sunset.
- Flexible Space – Turn on in the morning, off at night.

## GPS

- Trigger events based on location, speed or bearing. Synchronize time over GPS or the network.
- Trigger events based on RFID tags.

☒ Allow Learn Input

☒ Create Enable Pin

☐ Use Custom Pin Name

☐ Use GPS Location Data

Use Current Location

51.5142800 Latitude

-0.09314500 Longitude

Time Zone

(UTC+00:00) Dublin,Edinburgh, Li

☒ Use Daylight Saving

Sun Time Info:

Sun Rise: 06:09:00 , Sun Set: 19:54:00

☐ Use NTP Server

pool.ntp.org

60 NTP Poll Delay (Secs)

HIPPOTIZER OFFERS A HOST OF WAYS TO CONTROL THE SYSTEM IDEAL FOR STAND-ALONE INSTALLATIONS.

## SAVE TIME WITH AUTOMATED PROJECTOR ALIGNMENT

MPCDI (Multiple Projection Common Data Interchange) is a VESA standard for exchanging information between systems needed to blend, color correct and warp a projector. Hippotizer uses MPCDI data to interface with camera based automatic alignment systems such as VIOSO and Dome Projection. This means Hippotizer can now use cameras to warp, blend and color correct common ‘simple’ projection surfaces such as domes or flat walls.

Green Hippo’s own AXIS system automates 3D Projector alignment; small sensors placed in the 3D model allows projector line-up to be done in seconds at the press of a button. Whether a 3D projection mapping installation, touring production or cruise ship, AXIS takes the guess work out of projector alignment ensuring it looks great for years.

Between MPCDI and AXIS, Hippotizer offers an automatic alignment solution for every project.

**VIOSO®** **AXIS**



Credit: © Motion Mapping





# PROJECTION MAPPING

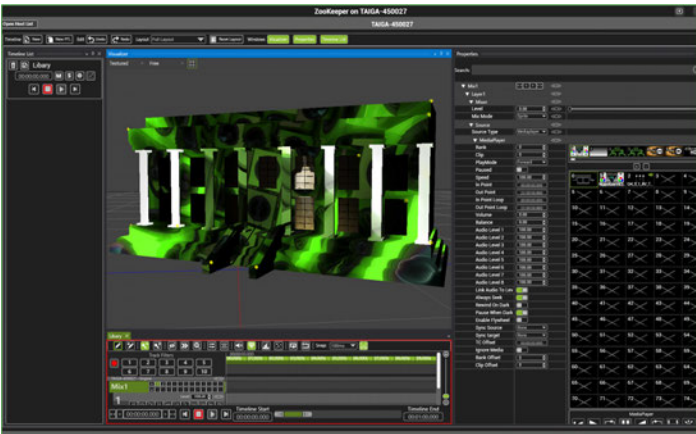
Creating stunning visual experiences for visitor attractions and public spaces, should be creative, not complex. Hippotizer's 3D Mapping toolset combines dynamic visuals with easy 3D Mapping techniques to create the most immersive environments.



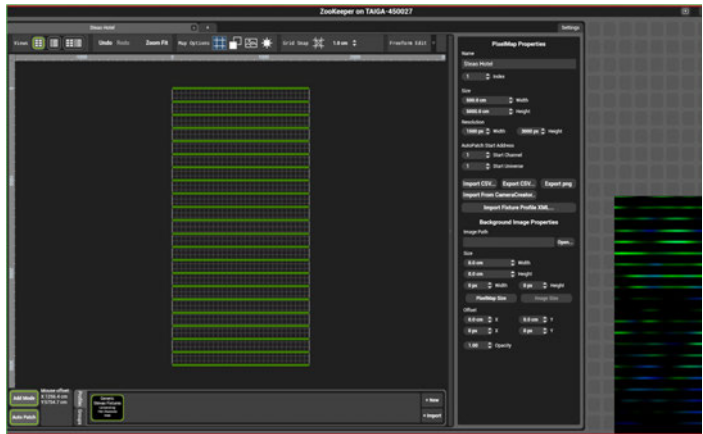
# ARCHITECTURAL LIGHTING/VIDEO

Architectural lighting has been used for many high-profile celebrations incorporating stunning pixel mapping projects. Hippotizer boasts a host of components enabling the most intricate mapping projects and with unrestricted DMX universes allows for the most elaborate LED designs.

- Use TimelinePlus and Hippotizer's scheduler to playback content based on a number of variables including time and dates.
- For Live Capture and transferring video over the network, use NDI and manipulate using Hippotizer's built in FX engine or Notch.



- PixelMapper is a feature rich tool capable of mapping thousands of light points easily and effectively.
- Synchronize outputs to Pixel Map across multiple buildings, without connecting them
- React to sunrise, sunset in real time, or synchronize playback of local time with the built in Scheduler tool.



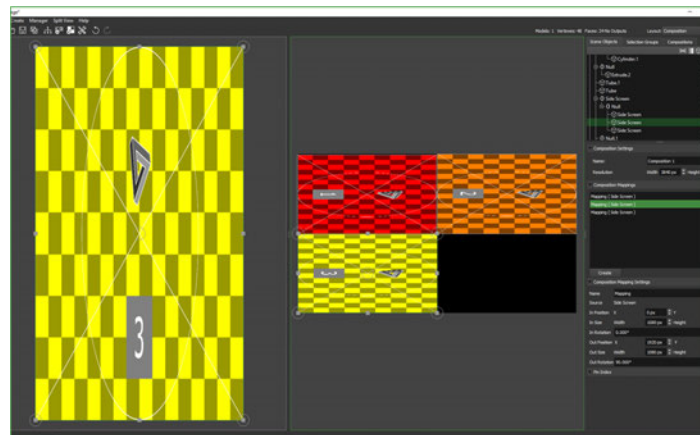




## CREATIVE LED

- See a whole multi-system setup before going to site. Use Visualizer to simulate an entire multi-system setup on a single machine. Import your 3D model and bring the screens, LED walls and projections to life with full resolution video visualization.
- The flexible media management system allows swift organization of extensive libraries into banks or bins all using an intuitive drag and drop interface.
- Program and run shows directly from the ZooKeeper interface remotely. Presets, Timelines and a fully customizable user interface make controlling a Hippotizer with a keyboard and mouse, lighting desk or external controller, quick and easy.

Live events are often a mix of carefully choreographed segments, last minute changes and on-the-fly programming, requiring the media server to be precise and flexible. Hippotizer's superior speed and simplicity of programming, combined with an integrated content workflow and flexible, real-time control make it the ideal choice for live events and touring.



## HIPPOTIZER PLAY



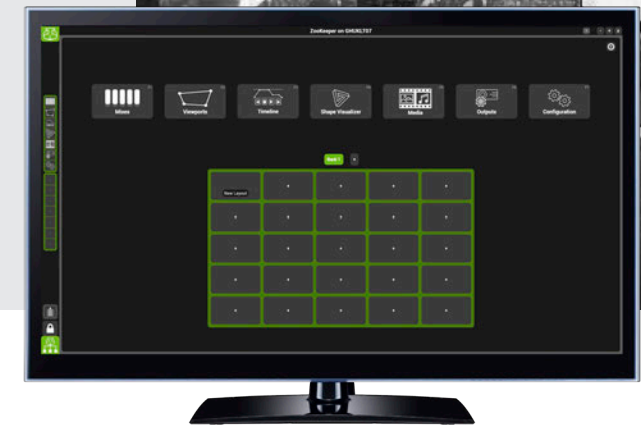
Start your journey here with Hippotizer PLAY, the free to download, demo. Learn how to play, encode, pre-program, and visualize for free with the award-winning Media Server software.

Or use Hippotizer PREP and pre-program from the comfort of your own PC or laptop. Encode media or program a show with the full host of Hippotizer components. [green-hippo.com/hippotizer=prep](https://green-hippo.com/hippotizer=prep)

Available on  
[green-hippo.com/play](https://green-hippo.com/play)



Credit: © Redemption Church



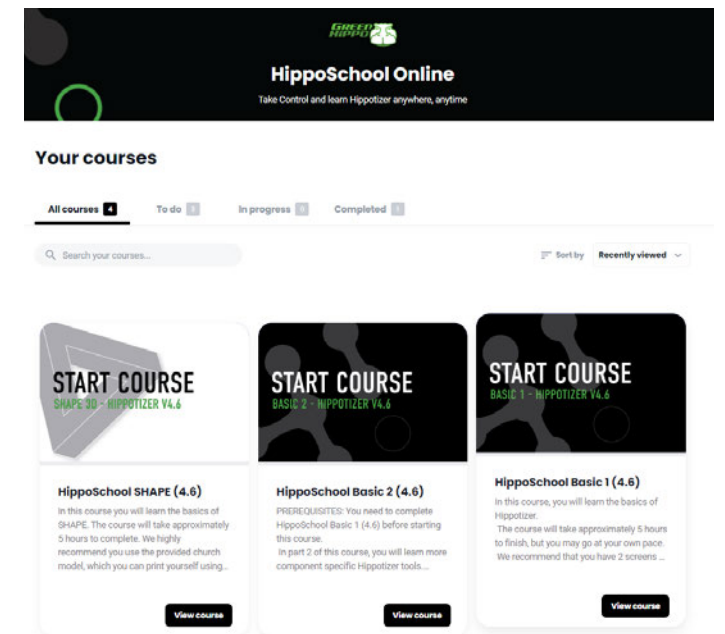
## HIPPOSCHOOL

### TAKE CONTROL AND LEARN HIPBOTIZER ANYWHERE, ANYTIME

HippoSchool is designed specifically to show you how to operate, configure and get the most of your Hippotizer Media Server.

And now, you can learn how to use the ZooKeeper control software from the comfort of your own home, with our new online platform.

Our Basic 1 & 2 courses cover popular mapping tools, content management and control features with a series of videos, tasks and quizzes to guide you through the industry leading Media Server, and if you get stuck, the Green Hippo training team will be on hand to help.



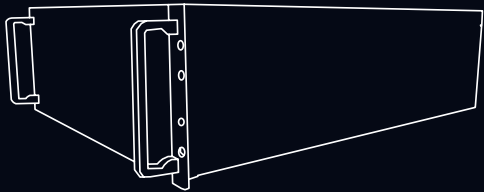
GET STARTED TODAY [WWW.GREEN-HIPPO.COM/TRAINING](https://www.green-hippo.com/training)



# DEDICATED HARDWARE

EXPLORE NEW, EMERGING  
WORKFLOWS WITHOUT LIMITS.

Designed for productions and install sthat depend on high-performance hardware and high-quality video playback, the next generation of hardware, Hippotizer V4+ MK2 delivers on the widely requested hardware features, giving up to 100% in increased performance for long term reliability. Explore new, emerging workflows without limits.



TIERRA+<sup>+</sup><sub>MK2</sub>

NOTCH



Outputs	4x DP or 4x HDMI
Notchmarks	50,000
Playback	32x 4K clips

BOREAL+<sup>+</sup><sub>MK2</sub>

NOTCH



Outputs	4x DP or 4x HDMI
Notchmarks	25,000
Playback	20x 4K clips

KARST+<sup>+</sup><sub>MK2</sub>

NOTCH



Outputs	2x DP or 2x HDMI
Notchmarks	20,750
Playback	15x 4K clips

AMBAT+<sup>+</sup><sub>MK2</sub>



Outputs	1x DP
Playback	8x 4K clips

MAYON+<sup>+</sup><sub>MK2</sub>



Outputs	2x HDMI
Playback	12x 4K clips

NEVIST+<sup>+</sup>



Outputs	1x DP
Playback	2x 4K clips

# COMPANION PRODUCTS

Green Hippo has been developing high-performance video processing products for over 20 years. We also work closely with our sister companies to offer products and solutions that we see to be beneficial to our end users and clients, giving both our products and our partners more reach, to fulfill both practical and creative projects.



## VIDEO WALL PROCESSORS



### CORIOmaster2

Optimized for 4K60 environments and is 8K ready. Display up to 40 4K video sources with no visible latency and up to 56 outputs in a 4RU.



### CORIOmaster®

Powerful stand-alone video wall processor for expansive 1080p installations which can also display up to 5 4K video sources and up to 56 outputs.

## DISPLAYPORT EXTENSION

### MG-AOC-883-100

DisplayPort 1.4 Low Smoke Zero Halogen Active Optical Cable 328ft (100m); Simple 8K60 4:4:4 extension.



### MG-AOC-88A

Armored and watertight DisplayPort 1.4 active optical cable.



## RACKING SOLUTIONS

### ONERack™

ONERack is a universal, powered mounting system that vastly improves rack installation of small devices.



### ONERack Spider

ONERack is a universal, powered mounting system that vastly improves rack installation of small devices.



## NOTCH

As well as Hippptizer's built in FX system and stock content, Green Hippo's has collaborated with Notch to enable cutting edge real-time motion graphics, compositing, and video effects inside Hippotizer V4+. Create interactive and generative content and live video effects in a powerful, easy and stable workflow. Export and playback directly in Hippotizer V4+ and use Hippotizer's pin system to control your content from a lighting desk or other controller.

Hippotizer offers a number of output options.



		Nevis+	Amba+ <sup>MK2</sup>	Mayon+ <sup>MK2</sup>	Karst+ <sup>MK2</sup>	
Main Output(s)	Output Type	DP 1.2	DP 1.2	HDMI 2.0	HDMI 2.0	DP1.2
	Production Outputs	1	1	2	2	2
	Genlock	No	No	No	Yes	Yes
	Software EDID Emulation	Yes	No	Yes	Yes	Yes
	Hardware EDID Emulation	No	No	Yes	Yes	No
Control Output	Output 1 Type	DP 1.2	DP 1.2	DP 1.2	DP 1.2	DP 1.2
	Genlock	No	No	No	Yes	Yes
	Software EDID Emulation	Yes	No	Yes	Yes	Yes
	Output 2 Type	DP 1.2	DP 1.2	HDMI 2.0	HDMI 2.0	HDMI 2.0
	Genlock	No	No	Yes	Yes	Yes
	Software EDID Emulation	Yes	No	Yes	Yes	Yes
	Hardware EDID Emulation	No	No	Yes	Yes	Yes
Software	Mixes	2	6	12	12	12
	Layers per mix	16	16	16	16	16
	ViewPorts	2	Unlimited	Unlimited	Unlimited	Unlimited
	Uncompressed playback	No	No	No	No	No
Connectivity	1Gb Network	2	2	2	2	2
	10Gb Network	-	-	-	-	-
	Audio Out	Stereo 1/8” TRS	Stereo 1/8” TRS	Balanced Stereo XLR	Balanced Stereo XLR	Balanced Stereo XLR
	Audio In	Stereo 1/8” TRS	Stereo 1/8” TRS	Stereo 1/8” TRS	Stereo 1/8” TRS	Stereo 1/8” TRS
	LTC over Audio Input	Yes	Yes	Yes	Yes	Yes
	Rear USB Ports (Type-A)	2 x USB2	4 x USB3	4 x USB3	4 x USB3	4 x USB3
	Front USB Ports (Type-A)	1 x USB3	2 x USB 3.1	2 x USB 3.1	2 x USB 3.1	2 x USB 3.1
	Power Input	IEC (C14)	IEC (C14)	Neutrik True1	Neutrik True1	Neutrik True1
	Power Loop	-	-	True1 - 1000W Max	True1 - 1000W Max	True1 - 1000W Max
Physical	Size (Rack Units)	1	1	2	2	2
	Installed Depth	350mm (370 w/ Ears)	420mm (440 w/ Ears)	600mm (630 w/ Ears)	600mm (630 w/ Ears)	600mm (630 w/ Ears)
	Installed Width	210mm (480 w/ Ears)	425mm (480 w/ Ears)	425mm (480 w/ Ears)	425mm (480 w/ Ears)	425mm (480 w/ Ears)
	Installed Weight	3 Kgs	8 Kgs	16 Kgs	16 Kgs	16 Kgs
	Mounting	Front Rack Rails	Front Rack Rails	Front Rack Rails	Front Rack Rails	Front Rack Rails
	Voltage	100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz
	Power Consumption (Max)	150VA	300VA	650VA	650VA	650VA
	Heat Dissipation (Max)	1000 btu/hr	1000 btu/hr	2,200 btu/hr	2,200 btu/hr	2,200 btu/hr
	Min Operating Temp	0C / 32F	0C / 32F	0C / 32F	0C / 32F	0C / 32F
	Max Operating Temp	35C / 95F	35C / 95F	35C / 95F	35C / 95F	35C / 95F
	Min Storage Temp	0C / 32F	0C / 32F	0C / 32F	0C / 32F	0C / 32F
	Max Storage Temp	35C / 95F	35C / 95F	35C / 95F	35C / 95F	35C / 95F
	Max Humidity (Non-Condensing)	95%	95%	95%	95%	95%
	CPU Cores / Threads	4(8)	4(8)	6(12)	6(12)	6(12)
	CPU Speed	3.6 GHz	3.6 GHz	2.9 GHz	2.9 GHz	2.9 GHz
Specs	Memory	8GB	16GB	16GB	16GB	16GB
	Memory Type	DDR4-2666	DDR4-2666	DDR4-2666	DDR4-2666	DDR4-2666
	OS Drive	500GB SSD	500GB SSD	500GB SSD	500GB SSD	500GB SSD
	Media Drive Size	0.5TB	1TB	2TB	2TB	2TB
	Media Drive Speed	2,500 MB/s	2,500 MB/s	2,500 MB/s	2,500 MB/s	2,500 MB/s
	Concurrent 4K Layers	2	8	12	15	15
	Notch Marks	N/A	N/A	12,000	20,750	20,750

Boreal+ <sup>MK2</sup>		Tierra+ <sup>MK2</sup>	
HDMI 2.0	DP1.2	HDMI 2.0	DP1.2
4	4	4	4
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	No	Yes	No
DP 1.2	DP 1.2	DP 1.2	DP 1.2
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
HDMI 2.0	HDMI 2.0	HDMI 2.0	HDMI 2.0
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
16	16	Unlimited	Unlimited
16	16	16	16
Unlimited	Unlimited	Unlimited	Unlimited
Supported	Supported	Supported	Supported
2	2	1	1
2	2	3	3
Balanced Stereo XLR	Balanced Stereo XLR	Balanced Stereo XLR	Balanced Stereo XLR
Balanced Stereo XLR	Balanced Stereo XLR	Balanced Stereo XLR	Balanced Stereo XLR
Yes	Yes	Yes	Yes
4 x USB3	4 x USB3	4 x USB3	4 x USB3
2 x USB 3.1	2 x USB 3.1	2 x USB 3.2	2 x USB 3.2
Neutrik True1	Neutrik True1	Neutrik True1	Neutrik True1
True1 - 1000W Max	True1 - 1000W Max	True1 - 1000W Max	True1 - 1000W Max
4	4	4	4
630mm (660 w/ Ears)	630mm (660 w/ Ears)	630mm (660 w/ Ears)	630mm (660 w/ Ears)
425mm (480 w/ Ears)	425mm (480 w/ Ears)	425mm (480 w/ Ears)	425mm (480 w/ Ears)
27 Kgs	27 Kgs	27 Kgs	27 Kgs
Front Rack Rails	Front Rack Rails	Front Rack Rails	Front Rack Rails
100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz
1000VA	1000VA	1200VA	1200VA
3,000 btu/hr	3,000 btu/hr	4,000 btu/hr	4,000 btu/hr
0C / 32F	0C / 32F	0C / 32F	0C / 32F
35C / 95F	35C / 95F	35C / 95F	35C / 95F
0C / 32F	0C / 32F	0C / 32F	0C / 32F
35C / 95F	35C / 95F	35C / 95F	35C / 95F
95%	95%	95%	95%
8(16)	8(16)	16(32)	16(32)
3.8 GHz	3.8 GHz	3.9 GHz	3.9 GHz
32GB	32GB	64GB	64GB
DDR4-3200	DDR4-3200	DDR4-3200	DDR4-3200
500GB SSD	500GB SSD	500GB SSD	500GB SSD
4TB	4TB	8TB	8TB
5,000 MB/s	5,000 MB/s	7,000 MB/s	7,000 MB/s
20	20	32	32
25,000	25,000	50,000	50,000





Credit: © Redemption Church

## SPECIAL PROJECTS & TECHNICAL SUPPORT

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Projects are now expected to push the boundaries and are often required to venture into uncharted territories. At times like these solid, proactive technical and project support is a must.

That's why you'll find a long-serving team of dedicated technical support staff our global offices.

### THE AMERICAS

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