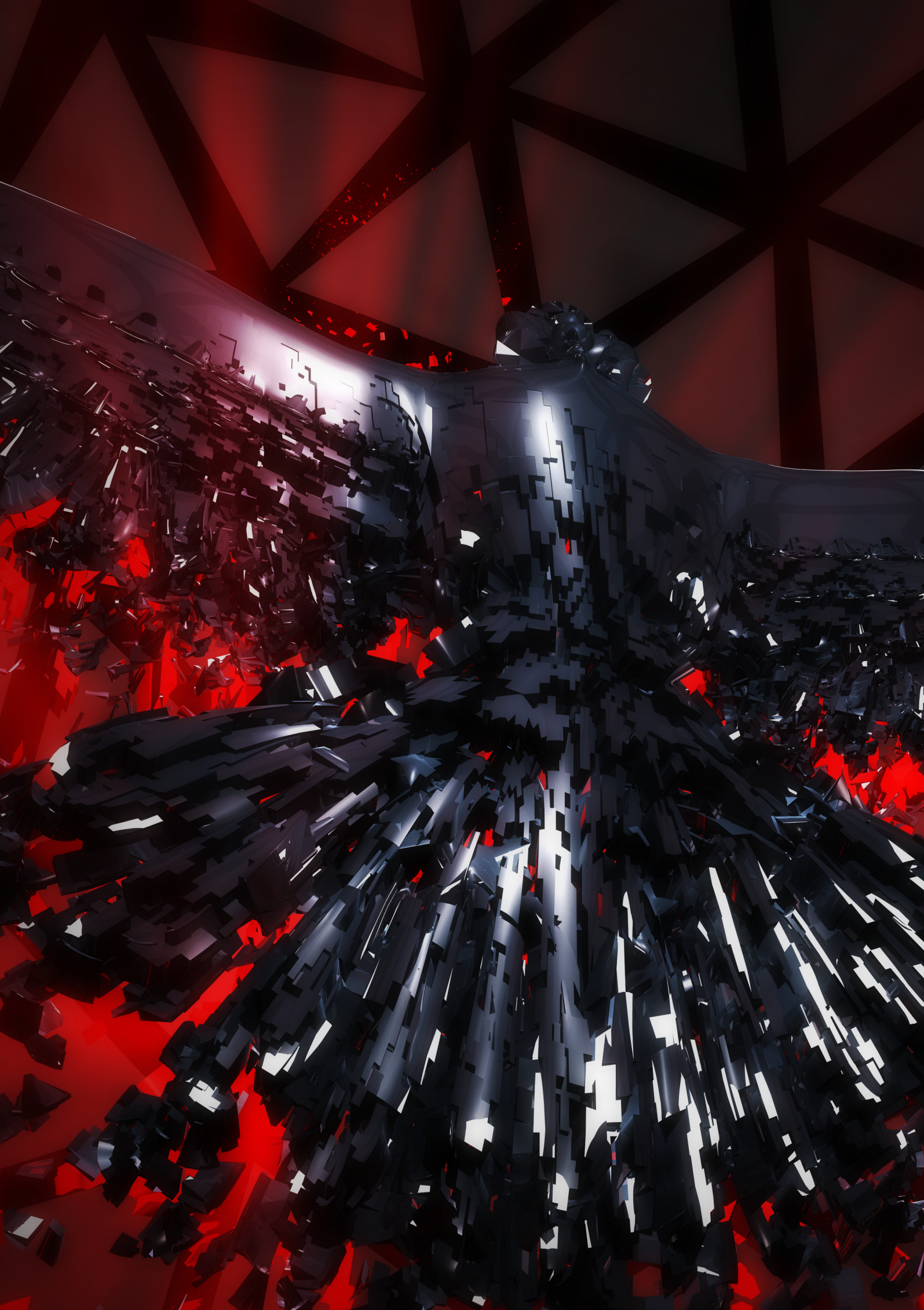


The logo for Phoenix 4, featuring the word "PHOENIX" in white and the number "4" in red, both in a bold, italicized sans-serif font. Below it, the tagline "THE PROFESSIONAL SHOWCONTROLLER" is written in a smaller, white, italicized sans-serif font.

PHOENIX4
THE PROFESSIONAL SHOWCONTROLLER



PHOENIX⁴

THE PROFESSIONAL SHOWCONTROLLER



体验全功能同步控制给你带来的神奇魅力。（激光，灯光，视频，音频及其他演出设备）

随着**PHOENIX⁴** Showcontroller（火凤凰第四版）的发布，你将会发现一个强大的预置素材包，里面几乎包含了所有你所需要的激光表演素材。你甚至可以现场制作激光表演节目。

现在你可以用全新的**PHOENIX⁴** CAD来制作你自己的3D动画素材，或者让媒体转换器（mediaconvert）来把你的视频、动画以及矢量文件来实现激光素材制作。

更简单的硬件链接过程。
更绚丽的3D模拟效果。
免培训，更易于使用。



Experience and control the fascinating world of laser, light, video and pyro effects.

With the professional **PHOENIX⁴** Showcontroller, you have a powerful laser software package with which you can let your creativity run wild with endless show capabilities.

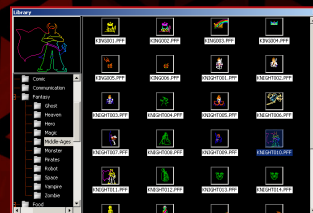
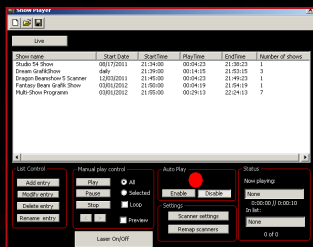
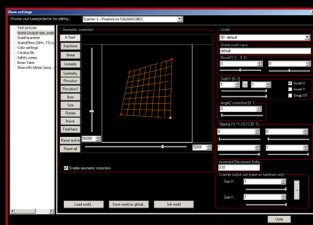
You take the role of a show programmer, a live performer or just use the software to impress your audience with the incredible inbuilt shows.

Use your own creativity with advanced detail of design work with **PHOENIX⁴** CAD or let the optional **PHOENIX⁴** MEDIA CONVERTER do the laser optimised conversion for most parts of the graphics, video, flash or vector files. Flexible hardware and with the easily configured software, adjustments are done with very little effort in a live event situation.

Take advantage of the included 3D visualisation software to allow pre-presentation of your show.

The possibilities and intuitive software will take you into the circle of professional users with a minimum of training time required.

PHOENIX⁴ PRO



PHOENIX品牌自1995年建立以来，一直是市场上最受专业激光和显示控制用户欢迎的软件系统。2011年我们发布全新一代综合控制系统**PHOENIX⁴**！无限制的特效和互动效果，适用于每一个事件。最多可以同时控制多达32个独立激光器，**PHOENIX⁴**还可以通过DMX和MIDI控制接口来调控各种的编辑好的灯光效果。同时，视频文件也可以被集成在时间线中，视频可以通过投影仪实时地和激光映像同步显示。

通过优化设置，你可以使用任何激光器来输出完美的激光效果，最大限度发挥激光灯的性能。许多的功能和效果你都能在演出现场实时调用，例如：SMS4LASER, RUNTEXT等



PHOENIX⁴ is the most recent generation of professional laser / show controller software systems on the market. Developed by and for laser show professionals since 1995! Unlimited effects and interactive effect alternatives suitable for every event situation. Beside a professional laser control for up to 32 independent lasers, **PHOENIX⁴** also offers a perfect implementation of lighting effects that can be controlled by DMX and/or Midi. In addition, video files of any resolution can be integrated in the timeline, exactly positioned to the effects and can be displayed by a beamer in real time(!), synchronous to a laser show. Through optimized presets and easily customizable settings, you get the best performance and quality out of your laser. In contradiction to many other controls, **PHOENIX⁴** calculates the output of the signals in realtime. In this way the user gets the output of his effect programming in real time and without a rendering time. A lot of functions, like the SMS-4-Laser, the runtext generator, LIVE-control via the Midi keyboard, Joysticks, Touch screen etc. - which

全新的**PHOENIX⁴** CAD编辑器，可以随时把你的文件转换成激光输出的2D或者3D激光映像文件。

在专业版和豪华版中，集成了SHOWPLAYER，你可以设定任意节目定时播放或者生成播放列表。

软件包已经预置了多达170个和音乐同步的激光节目，你可以随时调用他或者编辑你自己的激光节目。

高清版视频帮助也已经包含在软件光盘中。

我们在欧洲成立了一个专业的技术支持团队，可以随时提供完整的技术解决方案。（仅限英文用户）

are only a few of the functions of **PHOENIX** - are included.

Personal logos and pictures can be drawn in 2D/3D in **PHOENIX⁴** CAD. A Media Converter helps you to quickly convert a wide variety of supported image formats into a laser optimized picture.

The **PHOENIX⁴** PRO/PROPLUS - package is delivered with a Showplayer-System for fixed installations / exhibition stands, that allows you to play pre-defined shows according to a time schedule. An arbitrary number of shows can also be preprogrammed in a show calendar years in advance.

The software kit already contains more than 170 amazing shows, which are synchronous to the music and are ready for immediate use. Own shows can be created after a short time as well. They are supported by clearly structured new animation library. New shows are programmed continuously and can be purchased.

An extensive video help system is included in the delivery.

A professional support team is also available that will help you personally with questions and problems on all **PHOENIX⁴** products.

FEATURES AND FACTS

Projectionzones:	Max. 32 in one show
Scannersettings:	Max. 32 in one show
Max. ILDA-Lines:	32 (PHOENIX-PROPLUS) or 1 (PHOENIX-PRO)
Max. DMX-Lines:	32 x DMX512 channels out (1 Line for each interface)
Max. DMX-in:	1 x DMX512 channel in
Max. Videofiles:	1
Max. TTL-Signals:	No limits
Tracks:	Unlimited
Synchronisation:	MP3, WAV, CD, WinAmp, SMPTE, TIME, LIVE
ILDA-Output:	Max. 200K Speed, 16 Bit XY, 5+1 color-lines/16 Bit, Shutter, DMX-in / DMX-out
Runtext:	Yes – with TTF and laseroptimized fonts possible
SMS-4-Laser:	Yes – with TTF and laseroptimized fonts possible Without any extra hardware! Works with most normal Mobile-Phones or UMTS mobile internet USB sticks which can be connected to the PC! Professional SMS-Settings-Menu for Marketing-use, Filter and Black-Word / Number-lists and more.
LIVE-Recorder:	Yes – Play your effects on a keyboard and PHOENIX records it automatically. For fast programming.
Rasterscanning:	Yes – Up to 200k speed. Frames and movies can be played
Functions:	DepthCueing for 3D Pictures, SoftColor, Colormorphing, SoftBlanking, ScanLimit, Morphing, Auto-Animations, Hiddenline, Z-Buffering, Masking (in and outlines), Bspline-Curves, 3D-Lissajous-Generator, 3D-Preview, Geonet-correction, VBS-Programming possible, Realtime-Rendering, more then 150 different effects and engines. (Rotations, Moves, Cuttings and so on)
ILDA-Output to:	PHOENIX MICRO-USB and PHOENIX-Network Interfaces
PC-Requirements:	Laptop / PC with > 2,6GHZ CPU-Power, 2GB Memory, 10GB HD, > 256MB Graphic (for 3D Visualization)
Supported languages:	English, German, Chinese
Standard-Package:	The Delivery comes with a PHOENIX MICRO-USB Interface. Alternative / Optional you can get also the PHOENIX-Network Interface
Auto Animations:	Yes - Incl. Automorph
Geometrical Correction:	All directions and parameters
Interactive Control:	By Midikeyboard, Joysticks, Midi, DMX-in, Touchscreen...
Lightcontrol:	Up to 32 x 512 DMX-Channels for Movingheads, Scanners, Lighting, Pyro, Fogmachines, Waterscreens and so on.

PHOENIX⁴ LIVE



PHOENIX⁴ LIVE (现场版)- 演出场所、演唱会等专业实时激光控制系统。即使你不是专家，你也可以做到实时调用和编辑各种效果，实时演绎。

全新的预置效果，你可以随时随地调用和编辑你的激光节目。经过优化的素材库，文字编辑引擎，即使一般的激光灯也能输出绚丽的效果。同时你也可以通过MIDI控制器，DMX控台，键盘，触摸屏幕等来调控。

PHOENIX⁴ LIVE 最多能够同时控制8台激光灯同步输出不同的效果。当然，你也同时对8x512个DMX通道进行控制编程。

简单的安装和设置向导，会指引你如果驾驭你的激光灯。

你可以通过快捷菜单，调出运行文字，数字，定制LOGO等选项，所有功能都会很容易被实现。

在全新设计的时间线编辑上，你只需要把任意单一素材或动画拖放到时间线上即可完成激动人心的激光show。

效果面板已经作出优化，现在，你可以加入音乐编辑你的迷你激光show

图形编辑器已经升级，你可以更直观地编辑你的激光素材，包括手绘图片和导入功能。

通过全新修订的跟踪算法，处理速度更加快。并增加了许多媒体转换器质量控制选项。这使得它更容易为您跟踪您的标志路径，激光优化输出。此外，付费版本还支持多帧动画视频，矢量和Flash文件。随着附加在**PHOENIX⁴**的优化功能，你总会获得一个令人印象深刻的结果。

我们探索出一种全新的方式输出runtext。你可以投射在墙面上，让

你的两个文本通过3D飘荡方式掠过画面。你现在的完全新的文字信息的代表性曲线灵活概念的优势。通过实时计算，你可以在任何时间runtext动画和文字作任何调整。如果可能的话，你的节目的输出到一定功率，我们建议设置的安全区。32个安全区，它现在比以往任何时候都更容易设置他们在保护位置。通过视觉反馈的安全区，敏感地区被截止或者降低输出功率，从而保护观看者免受损害。

我们的优势在于你可以通过3D模拟功能，不需要连接任何激光灯，就可以录制现场的模拟录像了。

我们预置了多个皮肤，你可以随时更换更适合你个人爱好的外观。

你可以随时调控你的DMX设备。

你可以直接使用APC40来控制**PHOENIX⁴ LIVE**，他提供更为便捷和快速的实时效果控制。

激光竖琴套件已经完美运行于**PHOENIX⁴ LIVE**模式下，你可以直接用激光灯来弹奏任何乐曲。

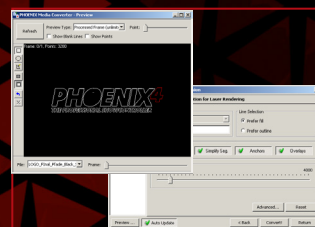
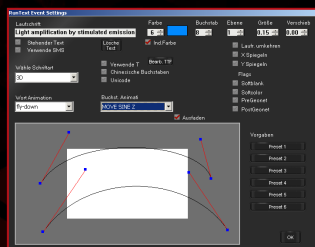
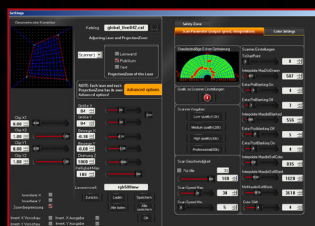
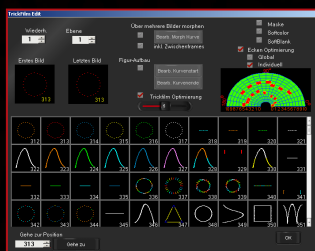
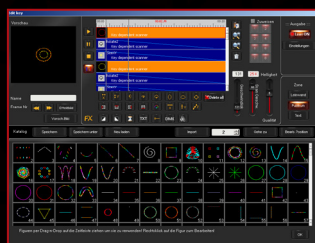
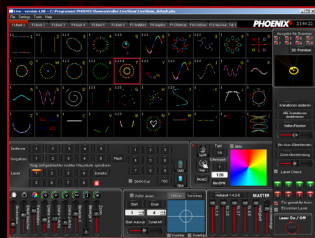
你也可以购买PHOENIX-MOBILE套件，这个套件可以使用WINDOWS MOBILE系统的手机，通过WIFI连接来实时控制**PHOENIX⁴ LIVE**。

预置自动升级模块，是你时刻可以使用PHOENIX开发的全新功能。

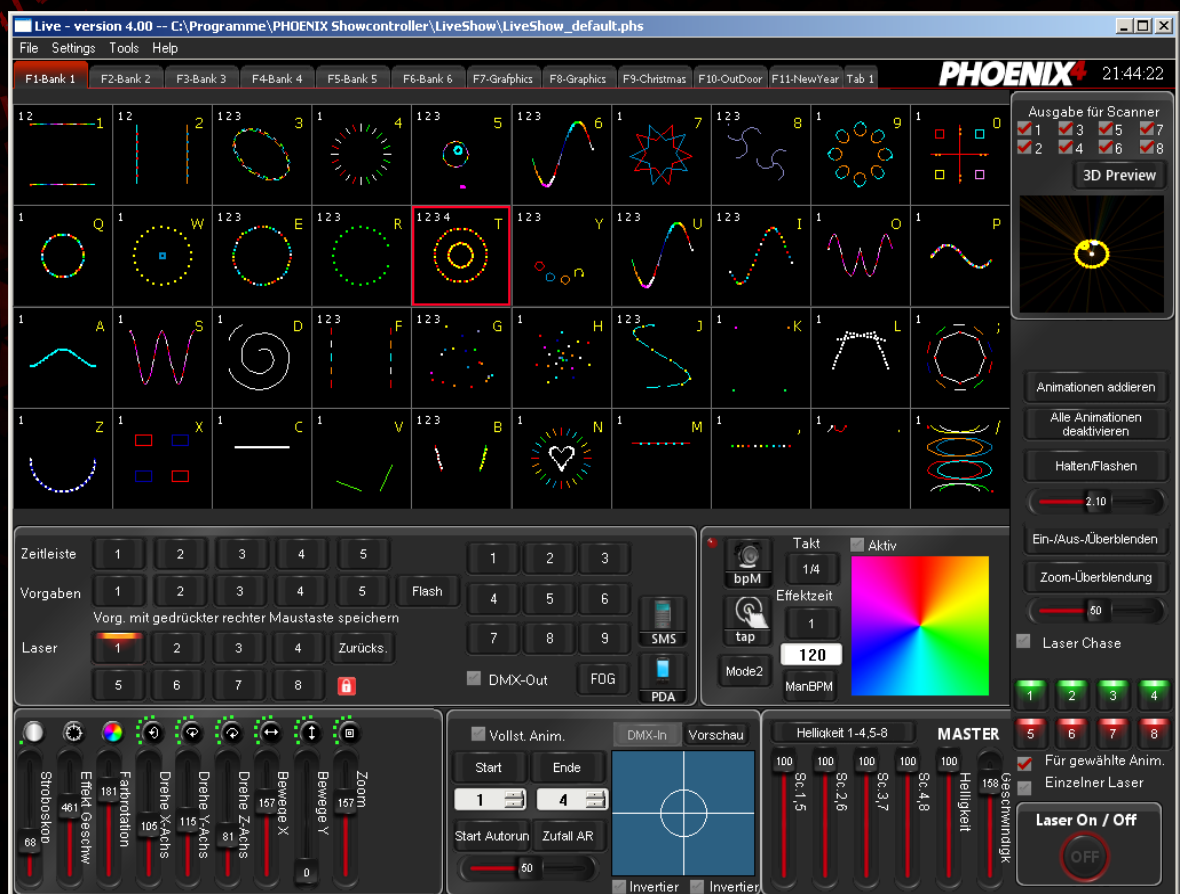
你是否需要制作3D人物，动画，文字或者3D图标呢？

以前我们要花费巨大的人力物力来制作，现在你将可以使用**PHOENIX⁴ CAD**来为你完成。

PHOENIX⁴ CAD将会掀起激光动画制作的革命！



FEATURES UND FAKTEN



PHOENIX⁴ LIVE



PHOENIX⁴ LIVE - The intuitive software laser for discos and clubs.

The user has a variety of pre-programmed laser effects available to perform directly and without prior knowledge an impressive live show.

New effects can be programmed at any time and even existing be edited. By the easy to use optimization settings you get, even with inexpensive laser systems, a superior output quality. All effects, runtext, SMS-4-Laser and interactive controls are available in all axes of motion, by touch screen, midi keyboard, computer keyboard and / or controlled by external DMX controller.

PHOENIX⁴ LIVE can control up to 8 laser independently, as well as 8 x 512 DMX channels out and max. 512 DMX channels in.

An automatic sound-to-laser function facilitates the work of a disc jockey.

Start right away - without a lot of adjustment effort - with the use of the new Easy Setup. Let us guide you through the most important settings at first program start - for a stunning laser-live show right from the beginning.

With the quicklink menu, you'll create your runtext, your laser figure and your logo as fast as ever, or import an existing laser-figure directly from the surface. two clicks will lead you to the most-used features for the creation of new animations.

On the new 5 timelines you have space to create your own small laser shows by drag 'n drop with animations from the surface and to impressively integrate them into your live show.

Therefore the effect palette of the animation surface has been reorganized to use the essential functions. Also a sound effect was created that allows to add an audio file in WAV and MP3 format to the animation. Thus it is easier to program your own little-laser shows.

The redesigned user interface of the **PHOENIX⁴ Basic Picture Editor** allows a more intuitive creation and manipulation of laser figures. With simultaneous real-time output and visual editing tools, you have a variety of tools for your creative work at your fingertips. Whether you want to draw a picture by your hand or let the automatic image-laser-figure conversion do the work for you, is up to you.

By revising the tracing algorithms we was able to speed up the processing and increased the quality of the media converter export many times over. This makes it even easier for you now to trace your personal logo or that of your customers, for laser-optimized output. In addition, at the optional version, the processing of video, vector and Flash files for export as a multi-frame animation is also possible. With the additional subsequent optimization features in **PHOENIX⁴ LIVE** you always get to an impressive result.

Discover a whole new way to output runtext . Let your two dimensional texts waft 3D(immensional) through the room. you now take advantage of the flexible concept of the curves for a completely new representation of text messages. through the realtime calculation you can make

any adjustments at any time of the runtext animation and text. If it is possible that the output of your show gets to sensitive equipment or critical areas, we recommend setting the security zones. With the 32 safety zones, it is now easier than ever before, to set to set them at the event location. By visual feedback of the safety zone, sensitive areas are excluded in no time at all from the laser output and thus protected from damage.

Now take advantage - just as before **PHOENIX⁴ PRO** users only - of the real-time 3D visualization of your live show, in a freely accessible, customizable 3D environment in **PHOENIX⁴ 3D VISUALIZER** - even without a connected laser.

With the the included, new professionally designed skins you give the surface, a stylish look to your own taste.

Control your DMX devices directly from the surface of **PHOENIX⁴ LIVE** . Do this with the use of the DMX-quicklink button or put DMX as an effect in one of your animations ... there are no limits to your creativity.

Control the functions **PHOENIX⁴ LIVE APC40** in directly with the optional MIDI performance controller. A specially adapted surface for the APC40 in **PHOENIX⁴ LIVE** allows you to quickly and efficiently access the figures and effects and to impress with a perfect live show.

Surprise your audience and become a virtuoso of laser, light and sound. The ProLight Laser Harp enables you to control and present your live performance by laser-generated, rainbow-colored laser harp strings. The specially adapted surface at **PHOENIX⁴ LIVE** supports you effectively with your artistic presentation.

Optionally, the "**PHOENIX-Mobile**" tool can be purchased, with which **PHOENIX⁴ LIVE** can be controlled by an ordinary Windows Mobile 6.5 PDA via WLAN.

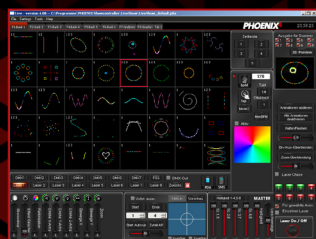
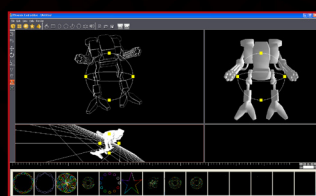
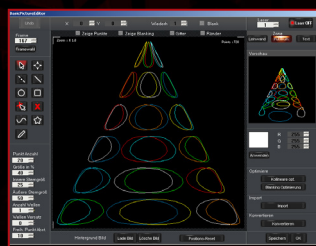
Stay up to date and don't miss a new feature with the built-in automatic online update feature.

Have you not ever wondered whether not even you can create your own stunning 3D laser-figures for graphic shows? Previously you had to invest possibly several hundreds of euros in software solutions and for many days at training.

But now with the new **PHOENIX⁴ CAD**, you have a simple but powerful tool in your hand with which you can create in no time impressive laser-animations on the screen. Create 3D animations, fonts, logos and much more ... Bring your figures to life with subtle animation and create stunning graphics shows. Thanks to the clearly designed interface the learning curve is reduced to a minimum and allows you to live out your creativity in no time with your own figures and animations.

The many formats comprehensive import dialog also allows you to take existing models from other popular 3D animation programs into the program and to seamlessly continue working on that.

Be convinced of the revolutionary tool for 3D laser shows and animation creation and you will be surprised by the time saved for a professionally produced graphic lasershow.



FEATURES AND FACTS

Timeline:	Trickfilm-Animator incl. automorph, scanlimit, masking and auto-optimization
ILDA-Projectors:	Max. 8x ILDA-out Lines (1x per PHOENIX-Interfaces)
DMX-Lines:	Max. 8x DMX512 out / 1x DMX512 in
Midi:	Max. 1x Midi127-in
Effects:	> 700 „Ready-to-Go“-Effects
Moves:	Move-Animations at all axes
Indiv. Programming:	Drag n´ Drop programming in realtime on a timeline
Runtext:	Runtext with laser-optimized fonts
Lissajou:	Yes – Pro-Lissajou-Generator
SMS-4-Laser:	Yes - with common mobile phoenix (via COM port) and UMTS USB internet sticks
Multiple Scanner:	Matrix-Function – Display and mix all effects on all lasers – whenever you want.
Multiple Effects:	Timeline / Presets for individual using
Music:	At animation as effect / Autochange of the animation with BPM or time
Crossover:	Fading- and crossover-effects
Multieffects:	10 laser animation at the same time.
Interactive Control:	DMX-in, Midi-in, Joystick-in
Using:	Optimized for touchscreen-use
BPM-Functions:	Different BPM Functions (Time, Beat, Random)
Laserpreview:	OpenGL in Preview-Window and in the 3D Visualizer – output on your monitor
Laserjockey:	Interactive change of all effects and all functions in realtime – on all lasers.
Import-Files:	Import of ILDA, PHO, PFF, KEY and common pixel-based images (BMP, GIF, JPG etc.)
Languages:	German, English, French, Spanish, Italian, Chinese, Rumanian, Hindi uvm.
Output to:	PHOENIX MICRO-USB and PHOENIX -Network Interface
Requirements:	Laptop / PC with > 2GHZ CPU-Power, 2GB Memory, 10GB HD, > 128MB Graphic (OpenGL required)
Delivery:	The standard - Delivery comes always with one PHOENIX MICRO-USB Interface
Optional hardware:	You can purchase more PHOENIX MICRO-USB Interfaces and PHOENIX -Net Interfaces

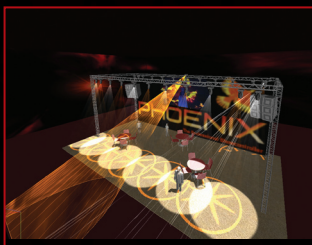
PHOENIX 3D VISUALIZER

PREVIEW YOUR PROJECT



PHOENIX⁴ 3D模拟功能可以实时模拟节目在实际播放中的场景！包含完整的展览摊位，舞台，舞厅等，可以实时的精确尺寸。同时能够模拟多种同步设备，包括：光激

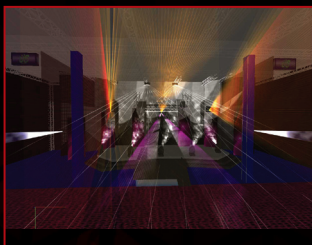
光，视频屏幕，等离子，水幕等超过2500纹理和3D对象，帮助您创造现实的，完整的位置。你可以通过这个功能，向你的客户展示每一个声光电同步的场景。



The **PHOENIX⁴** 3D-Visualization offers new possibilities for the show programmer and Live Performer! Complete exhibition stands, stages, discos etc. can be visualized dimensionally accurate in real-time - incl. Light laser, video screens, plasmas, water screens, etc. More than 2500 textures and 3D objects help you creating realistic,

complete locations.

Afterwards, the show can be watched synchronous to the music from all perspectives. In this way, a show approval can be obtained from the customer before a time-consuming build up had to be made.



FEATURES

- Over 1500 DMX Fixtures and over 1500 Gobos displayable
- Over 2500 3D Objects, textures already implemented
- Max. 200 Laser-Projectors and 100 Moving-Heads
- Import of 3D Figures possible and simple 3D Editor included
- Mapping and mirroring of individual laser-projectors
- Integration and display of individual logos possible
- Complete sample stages included



PHOENIX MOBILE

CONTROL FROM EVERYWHERE

Mit der **PHOENIX⁴**-Mobile-Option lässt sich **PHOENIX⁴ LIVE** mittels eines PDA's mit Windows-Mobile 6.5-Betriebssystem fernsteuern. Die Kommunikation zwischen dem PDA und dem PC findet dabei per WLAN statt.

通过手机连接你的PC来遥控激光表演

PHOENIX-DMX ADAPTER

FEATURES:

- DMX512 - in and DMX512 - out
- For additional DMX use next to ILDA output
- For **PHOENIX** MICRO-USB interface only



ILDA SPLIT-Y-ADAPTER

- To connect 2 Laser to have the same output



PHOENIX-MICRO USB

FEATURES:

- ILDA-Connector
- 3+1 Colors, 8 Bit
- 12 Bit XY-Signals
- DMX-in, DMX-out
- Max. 50.000pps Scanspeed
- USB-Powered

PHOENIX-NET INTERFACE & PHOENIX-NET 19" INTERFACE

FEATURES:

- ILDA-Connector
- 5+1 Colors, 8 Bit
- 14 Bit XY-Signals
- Optical isolated DMX-in, DMX-out with Neutrik Connectors
- Max. 200.000pps Scanspeed
- Stand-Alone SD-Card Player (For playing ILDA and PHO-Files)
 - For 2-8 DMX-Channel Controller
 - for max. 256 Animations / Effects
 - incl. 1 GB Memory-Card
- Programmable via Web-Interface (Changeable / Auto IP-Address)
- Geometrical correction (Trapez, Shares, Keystones, Rotations)
- 16 x TTL out, 5V / 500mW
- 110/220V Powerconnector with Neutrik-Connector



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