

MEMO_MINUTES

Paderborn, 18/12/2009

Contact: tech.support@malighting.com

HW-Specification 09/05

In general these are all recommendations – better hardware might end up in a better result as long as there is no special hardware support needed. The displayed solution is a high quality and tested by MA solution.

grandMA VPU (“Dongle“-Version)

IBM compatible PC – Dual Core processor with 2.4 GHz CPU (SSE2)

Min. 2 GB RAM

Microsoft Windows XP operating system with Servicepack 3 or

Microsoft Windows Vista or Microsoft Windows 7 operating system (with Admin-rights)

Microsoft DirectX version 9 or higher

Network card 10/100/1000 T/TX

High-speed 3D graphics card with hardware acceleration, 1024MB graphic-RAM,

Highly recommended: NVIDIA GTX285 (no ATI)

grandMA 3D

IBM compatible PC – Dual Core processor with 2.4 GHz CPU (SSE2)

Min. 1 GB RAM

Microsoft Windows XP operating system with Servicepack 3 or

Microsoft Windows Vista or Microsoft Windows 7 operating system (with Admin-rights)

Microsoft DirectX version 9 or higher

Network card 10/100/1000 T/TX

High-speed 3D graphics card with hardware acceleration, 512MB graphic-RAM and

vertex shader version ≥ 3.0

pixel shader version ≥ 3.0

1024x768 pixel resolution or higher

Highly recommended: NVIDIA GTX285 (no ATI)

tested and recommended Laptop-version: Apple Macbook PRO 15” or 17” with Microsoft Windows XP via Bootcamp

grandMA onPC

IBM compatible PC – Dual Core processor with 2 GHz CPU (SSE2)

Min. 1 GB RAM

Microsoft Windows XP operating system with Servicepack 3 or

Microsoft Windows Vista or Microsoft Windows 7 operating system (with Admin-rights)

Microsoft DirectX version 9 or higher

Network card 10/100/1000 T/TX

any graphics card with hardware acceleration and at least 256MB graphic-RAM,

highly recommended: NVIDIA 9800 GTX or NVIDIA GTX285 (but no ATI)

tested Laptop-version: Apple Macbook PRO 15” or 17” with Microsoft Windows XP via Bootcamp or Parallels

Important: Please do not use any shared memory for graphic cards.