

MEMO_MINUTES

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Hardware Specifications 10/11

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.

MA VPU ("Dongle"-Version)

IBM compatible PC – Dual Core processor with minimum 3.0 GHz CPU (SSE2)
Min. 2 GB RAM
Microsoft Windows XP operating system with Servicepack 3 or
Microsoft Windows Vista with Servicepack 2 or
Microsoft Windows 7 operating system (all 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 Geforce GTX480

In terms of Software please also refer to all other documentations on our webpage:
www.malighting.com/support.html

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 with Servicepack 2 or
Microsoft Windows 7 operating system (all 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 Geforce GTX480

Tested and recommended Laptop-version: Apple Macbook PRO 15" or 17" with Microsoft Windows 7 via Bootcamp Version 3.2!

grandMA2 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 with Servicepack 2 or

Microsoft Windows 7 operating system (all 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 Geforce GTX285 or NVIDIA Geforce GTX480

Tested Laptop-version: Apple Macbook PRO 15" or 17" with Microsoft Windows 7 via Bootcamp 3.2 or Parallels

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

grandMA onPC series 1 works also on lower hardware specifications!

New Graphic cards in general...

...are available roughly every 3 month. As the development of graphic cards is that fast it is difficult to always update and test the latest hardware.

The manufactures of graphic cards normally take care by updating their drivers for newer hardware. Therefore we recommend a specific version but it is not a must to use exactly this one!

Here is a newer range of graphic cards that will work together with our software without being tested exclusively in any combination:

- Radeon HD 5770
- Geforce GTX 460
- Radeon HD 6850
- Radeon HD 5830
- Geforce GTX 465
- Radeon HD 6870
- Geforce GTX 470
- Radeon HD 5850
- Radeon HD 5870
- Geforce GTX 480