

FAQ 301

# Suitable Graphics Cards for MotionDesk

## Keywords

Graphics adapters; graphics cards; graphics performance; graphical errors; MotionDesk

## Question

- I am looking for a graphics card for my MotionDesk PC. Do you recommend a graphics card?
- Can I use the onboard graphics card of my workstation?
- Various graphical errors occur in my MotionDesk scene. For example, graphical objects are not drawn correctly or are missing. What could be the reason?

## Solution

MotionDesk has high requirements with regard to graphics performance and driver quality. Therefore, MotionDesk requires a high-performance graphics accelerator card (OpenGL-compliant) with at least 2 GB RAM recommended. For MotionDesk 3.3 (dSPACE Release 2013-B) and earlier, we recommend at least 1 GB RAM.

The graphics accelerator card should have two output channels (one output channel can be used to display MotionDesk, the other channel can be used to display ModelDesk, ControlDesk, ControlDesk Next Generation, or MATLAB®).

The latest driver for the graphics card must be installed. For MotionDesk 3.2 (dSPACE Release 2013-A) and later, this driver must support OpenGL 2.1 and OpenGL Shading Language 1.4.

For a **list of suitable graphics cards** and further details on graphics card requirements and compatibility, visit our website: [www.dspace.com/go/mdhwrequ](http://www.dspace.com/go/mdhwrequ)

## Onboard graphics cards

dSPACE cannot guarantee that MotionDesk runs on computers with onboard graphics cards for the following reasons:

- The specialized onboard graphics processing units often behave differently from high-end graphics cards.
- Even if the technical specifications of these processing units match the formal requirements (OpenGL hardware acceleration, 2 GB RAM), drivers are often not stable enough to satisfy the requirements of real-time 3-D applications.

## Related dSPACE HelpDesk Documents

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## Related FAQs

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## FAQ Overview

<http://www.dspace.com/go/faq>

## Support

To request support, please use the form at <http://www.dspace.com/go/supportrequest>

## Updates and Patches

Software updates and patches are available at <http://www.dspace.com/go/patches>.  
dSPACE strongly recommends to use the most recent patches for your dSPACE installation.

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