



# Digital Application virtual Engineer – DAVe 2.1

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## Who's DAVe

Hi, I'm DAVe, your Digital Application virtual Engineer from Infineon technologies. I'm here to aid you in getting underway to fast and reliable embedded designs with Infineons' range of 8-, 16- and 32-Bit Microcontrollers ...

... but let's finish with the marketing talk and get down to the important details of what I can actually do for you.

I can:

- help you to compare and to evaluate the different members of the Infineon families of microcontrollers and help you to find the right chip for your embedded control application
- be your one stop access point to all standard knowledge associated with Infineons' embedded technology expertise, by offering you context sensitive access to user's manuals, data sheets, application notes etc. directly in your development environment
- help you to programme the Infineon microcontroller you want to use in your project, by offering you intelligent wizards that help you to configure the chip to work the way you need it and automatically generate C-level templates with appropriate driver functions for all of the on-chip peripherals and interrupt controls

But talk's cheap – the real proof is in the doing, not talking. So let's do ...

## Minimum System Requirements

- Windows 95, Windows98, Windows NT 4.0 (Service Pack 3 or above) or Windows 2000
- IBM-compatible Pentium PC or higher
- 16 MB RAM minimum (32 MB recommended)
- Screen Resolution 800 \* 600 Pixel with 256 Colors (1024 \* 800 Pixel with 65536 Colors recommended)

## Installation Instructions

- Insert the DAVe CD-ROM into your CR-ROM drive
- Start the [SETUP.EXE](#) and follow the instructions

## Tools

The DAVe CD contains two Compiler Evaluation Version

**Keil  $\mu$ Vision 2**, the new Integrated Development Environment from Keil Software which supports the DAVe Toolinterface. To install  $\mu$ Vision 2 start the [SETUP.EXE](#) located in \tools\Keil\Setup on this CD. Link to the Application Note [app148.pdf](#) to see how to using the  $\mu$ Vision 2 with DAVe.

**Tasking C166 Demo**, the latest version of the Tasking EDE which supports the DAVe Toolinterface. To install the Tasking Tool start the [SETUP.EXE](#) located in \tools\Tasking on this CD. Link to the Application Note [README\\_DEMO.pdf](#) to see how to use the Tasking EDE with DAVe.

## Notes for experienced users of DAVe 1.0

- DAVe 1.0 was CD-ROM based. In DAVe 2.1 you need the CD-ROM during the installation procedure only. In the setup program you have to specify the controllers you want to work with
- In DAVe 1.0 you got a context sensitive menu for each peripheral which offered you a short description, a link to the User's Manual or to start the Configuration wizard. In DAVe 2.1 the short description is not available any more. The link to the User's Manual is available in the Configuration Wizard now. To start the Configuration Wizard click on the highlighted peripheral.
- In DAVe 1.0 you could open only one Configuration Wizard at the same time. In DAVe 2.1 you can open some Configuration Wizards at the same time.
- In DAVe 1.0 your changes in a Configuration Wizard would be saved to disk when the OK Button would be clicked. In DAVe 2.1 changes in the Configuration Wizard will be saved immediately in the internal memory. These changes will be saved to disk when you save them manually by clicking the "Save" item in the "File" menu.
- In DAVe 2.1 you can generate code even if you have a Configuration wizard opened.
- The context sensitive menus in the Configuration Wizards are not available any more. To link to the User's Manual click on the information/documentation button (second one from left) to get some items which link to the User's Manual. To get information why a setting is disabled or to get short descriptions for functions and macros watch the tooltips for the specific controls. Note that you got detailed function and macro descriptions in the project documentation and in the generated code.

## Support / Feedback

Dear designer, DAVe's only human! We have tested DAVe thoroughly, using a sophisticated test methodology but, as always, in our spirit of no marketing BS, we can only guarantee, that DAVe is 99% bug free. What we ask is that if you – as the end user of DAVe – find part of the 1% that doesn't work, you'll tell us, so we can fix it. Please use DAVe's e-mail address [DAVe@infineon.com](mailto:DAVe@infineon.com) to let us know what you find or what you think we could do better! For more information on DAVe go to DAVe's web site <http://www.infineon.com/DAVe.html>.

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