

# BITbyBIT Software Group LLC

Specializing in development tools for AmigaOS4™

## AVD - Advanced Visual Developer

The Advanced Visual Developer project is intended to bring high level, professional visual development tools to the AmigaOS4™ platform. Initially the project has been broken down into five major components. A Text Editor, GUI Builder, Project Manager, SDK Browser, and Debugger. Collectively, these tools will work together in a seamless graphical environment designed to greatly accelerate the development of AmigaOS4™ software. This integrated package of tools covering the complete development process from concept to delivered product is known as AVD, or the Advanced Visual Developer.

### ● Text Editor

The Text Editor component is the central editor for directly writing and maintaining the various source files for your project. Like the other components it can be used directly as a standalone application or as an integrated part of AVD itself. It will provide as many of the modern features that you would expect from a programming editor as possible within the initial development time frame.

### ● GUI Builder

The GUI Builder component allows for the quick creation and maintenance of the graphical display components (Windows, gadgets, etc.) of your application. The entire GUI (Graphical User Interface) of your application will be able to be created and maintained using this 100% graphical tool.

### ● Project Manager

The Project Manager component is the piece of the development suite which ties the other components together into what is more commonly known as an IDE or Integrated Development Environment. Although it can perform several functions as a stand alone application, it is most useful when combined with the other components. The Project Manager provides organization and easy access to all source files, plus auto-generation and execution of the build files (Makefile) needed to build a given project. It also invokes the compiler, optionally displaying its output and providing quick link access to the Text Editor for compiler errors or warnings.

### ● SDK Browser

The SDK Browser component is the core programming documentation reference tool. Like the other components it can be used directly as a standalone application or as an integrated part of AVD itself. Version 1.5.0.0 of this component is already available as a FREeware product which can be freely downloaded. Check it out! The current SDK Browser at <http://www.bitbybitsoftwaregroup.com/sdkbrowser/index.php>.

Some key features:

- Fully multi-tasking search
- History bar
- Double-click on any displayed text to do a quick-search of the function name
- Quick find ANY item in the active list just by typing the first few letters of its name
- Support for more than one interface(API) found within the same library
- and much more.

### ● Debugger

The Debugger component primarily provides a graphical front end to GDB (The GNU GCC Debugging tool). It will work with GDB locally and remotely as a client to a GDB server on another machine. The Debugger allows for operations like setting "break points" within the runtime execution so you can single-step through your program to pinpoint the problem.

Each of the five components will be written to operate both as an independent application as well as part of an integrated system. Each application will be an Amiga™ "Commodity", with the ability to communicate with the other components and the OS, even when hidden. This is somewhat similar to a "service" or "daemon" process on other operating systems, as it runs in the background and is independently controllable through a standard system interface.

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## FREEAVD: A Proposed Project

FREEAVD is a proposed project to create and release a FREeware version of the AVD (Advanced Visual Developer) Suite and associated tools for the AmigaOS4™ operating system.

The "FREE" in FREEAVD has a twofold meaning; first that the software itself will be distributed openly as FREeware for use by anyone, second that the RAD (Rapid Application Development) part of FREEAVD will be limited to the production of FREeware software only.

FREeware TOOLS + AVD = FREEAVD

### What exactly is FREEAVD anyway?

- FREE Visual RAD (Rapid Application Development) Tools for AmigaOS4™
- More FREeware APPLICATION Development for AmigaOS4™
- Attracting more Professional Developers to the AmigaOS4™ platform
- Helping everyone (especially beginners) build quality AmigaOS4™ software, using professional, openly distribute tools
- MUCH, MUCH MORE...

### How will this project be accomplished?

By the generous financial contributions of individuals who understand the importance of projects like this one to the overall success of the AmigaOS4™ platform, and a whole lot of hard work.

### What do I get as a FREEAVD sponsor?

All sponsorship funds made by individuals will be credited toward the purchase of a full license of the AVD Suite. So, each contribution of US \$200.00 earns you a license for the commercial version of AVD, which you can keep for yourself or donate to your favorite developer.

- Once the Initial Bounty of US \$3000 for the project has been met, FREEAVD will be written and released based on the feature set targeted for the AVD Suite.

## How to buy AVD

### Purchase AVD in a single installment :

Single payment at PRE-SALE price of US \$199.95

### Purchase AVD in 4 easy installments over 3 months:

Initial payment of US \$49.95, then 3 more monthly installments of US \$50.00, for the total PRE-SALE price of US \$199.95

### Purchase AVD in 8 easy installments over 7 months:

Initial payment of US \$24.95, then 7 more monthly installments of US \$25.00, for the total PRE-SALE price of US \$199.95

### Purchase AVD in 20 very easy installments over 19 months:

Initial payment of US \$9.95, then 19 more monthly installments of US \$10.00, for the total PRE-SALE price of US \$199.95

## How to support FREEAVD

### COPPER SPONSORSHIP LEVEL:

Payment installments of only US \$10.00 each month\*

### SILVER SPONSORSHIP LEVEL:

Payment installments of US \$25.00 each month\*

### GOLD SPONSORSHIP LEVEL:

Payment installments of US \$50.00 each month\*

### PLATINUM SPONSORSHIP LEVEL:

Payment installments of US \$100.00 each month\*

### Make a one time donation:

Single payment donation for any amount you choose (US \$10.00 or more recommended due to transaction fees)

- The monthly sponsorships not only contribute to the initial bounty, but help to ensure that FREEAVD is released in a timely manner.

\*Every sponsorship can be cancelled at any time



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