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New ZBasic Compiler Version Released

Beaverton, OR – February 23, 2006 -- Elba Corporation announced today the availability of a new version of the ZBasic compiler for ZX microcontrollers. The v1.1.10 release incorporates support for stack size requirement estimation and checking. The benefit of this new capability is that it eliminates the need for a programmer to guess at the stack size that is required for each task or to determine the required size by trial and error. The compiler forms an estimate of the stack size that is required for each task by performing a static analysis of the source code of the task and the routines that it calls. The compiler then compares this estimated value, augmented by a programmer-specified safety margin, to the actual stack space that was allocated by the programmer. A warning is generated if insufficient space was allocated.

The new version of the compiler also supports additional Register elements, a new System Library function for converting numeric values to hexadecimal strings, and the declaration and use of Based variables.

The compiler update is available from <http://www.zbasic.net/download/> at no charge as part of an installer containing the compiler, IDE and documentation.

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