

**Pure**

**COLLABORATORS**

	<i>TITLE :</i> Pure		
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WRITTEN BY		August 27, 2022	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

# Pure

## 1.1 Pure Basic.guide

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Pure Basic V 1.00  
The New Age Of Programming Langage  
© 1999 Fantaisie Software

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Introduction  
Welcome...

Terms & Conditions  
Legal state

Requierements  
System needed

Installation  
Before start...

Programmer Guide            The reference manual

Ordering  
How to purshase this product

Contact Us  
To know who we are

Acknowlegdments  
Thank you all

History

The last changes

## 1.2 Introduction

Introduction :

Pure Basic is brand new 'high level' programming language based on the previously established B.A.S.I.C rules. It ensure a good compatibility with similar basic compiler independement of the computer. The learning is easy, as basic has been created for beginner and the development time is really fast.

This software has been developed for the Amiga with the Amiga environment in mind. We have put lot of effort in its realization to produce fast, reliable and system friendly language. The respect of the OS is always the master word, and you couldn't write bad software with the basic commandset provided. Of course, you could add any other functions to bash the hardware and use all the Amiga power, if you need it.

The syntax is easy, but the possibilities are huge because some 'advanced' functions has been added to this language like pointers, structure, procedure, dynamic linked lists, and more.. For the experienced coder, there is no problem to access any of the legal OS structures or amiga objects.

Finally, Pure Basic support the 680x0 processor and in early stage the PowerPC. The PowerPC processor is not fully working yet because we don't have any PPC accelerator at the Fantaisie Software team to achieve the tests. The 68000 part has been very optimized to output the best code as possible, but we're sure we could do even better !

Look yourself at the main features of Pure Basic:

- 68000 and 68020+ support (PowerPC in progress)
  - Built-in Array, dynamic linked list, complex structure, pointer and variable definitions
  - Supported types: Byte (8 bit), Word (16 bits), Long (32) and user defined ones (structures)
  - Signed (finished) and unsigned (partially) support for standard types
  - Built-in strings type
  - Constants, binary and hexadecimal numbers support
  - Very good expression reducer by grouping constants and numeric numbers ← together
  - Standard arithmetic support with respect of signs priority and parenthesis: +, -, /, \*, and, or, lsl, asl, lsr, asr
  - Compile about 30 000 lines/min on a 68030/50 (with PoolMem installed)
  - Procedure support for structured programming with locals and global ← variables (not fully finished)
  - All Standard BASIC keywords: If-Else-EndIf, Repeat-Until ...
  - External libraries support to manipulate easily objects like IFF pictures, screens, windows, gadgets...
  - Precompiled structures and constants files for extra fast compiling.
-

- Cool debugger to stop the program execution and trace the bugs easily.
- Configurable CLI compiler
- System friendly, easy to install and always under development

## 1.3 avertis

Terms And Conditions:

This program is provided "AS IS". Fantaisie Software is NOT responsible for any damage (or damages) Pure Basic may cause. You are warned that you use Pure Basic strictly at your own risk. No warranties are implied or otherwise given by Fantaisie Software or any representative.

This program may be freely distributed provided all the contents of the original archive remain intact. You may not modify or in any way change the contents of the original archive without the express written consent of Fantaisie Software.

In case of coverdisk, the magazin MUST ask the permission before put the demo-version on any media.

Fantaisie Software reserves all rights to this program, and the original archive and its contents. All rights are strictly reserved by the Fantaisie Software.

## 1.4 System requierements

System requierement:

- AmigaOS 3.0 or better
- At least 1 mb of free memory

Pure Basic should run fine on any Amiga configurations which feed these needs. If not, please tell us.

## 1.5 install

Installation:

Just drag the 'PureBasic' directory where you want to install it

After you should add the following line in your s:user-startup file at any place ↵  
:

Assign PureBasic: "Your Path Here"

where "Your Path Here" is the full path of the Pure Basic drawer.

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Or you can use the 'Start' script file which is located in the Pure Basic drawer.

## 1.6 How to order Pure Basic

For now, the Pure Basic is a shareware product with a cheap price for this kind of products but it will probably change to a commercial state with the version 2.0 planned for the first quarter of the new millennium. Of course the evolution of this software will entirely depend of the number of purchases. So, if you can have this version in a pirated way, think you could never have the V2.0 as it will be none... Think a lot before use pirated software...

When you register a version, all the small updates and bugfixes are of course free.  
Ie: for the V1.00, all the update 1.1, 1.2, 1.3 upto 1.9 will be free.

SPECIAL OFFER: for the all the registers users before the 1st October 1999, the version 2.0 will be totally free, including the box and printed manual.

The demo-version of Pure Basic is very limited:

- \* only 6 externals libraries (taglist, wbstartup, misc, linked list, window and screen) can be loaded.
- \* no resident support
- \* maximum source lines: about 200
- \* maximum ASM lines: about 2000

Price:

USA : 80 US\$  
England : 50 £  
Germany : 120 DM  
France : 400 FF

You can send the money by postal check, or by cash in the letter (but enclose it surely) at the following address:

Frédéric Laboureur  
10, rue de Lausanne  
67640 Fegersheim  
France

Once we get the money, we will sent you the full version, via e-mail or snail mail, like you want.

If you want to use the order form click here and print it on a A4 sheet.

## 1.7 The Registration form

To: Frederic Laboureur  
Fantaisie Software  
10, rue de Lausanne  
67640 Fegersheim  
France

\*\*\*\*\* For Pure Basic Version 1.00 \*\*\*\*\*

I would like to recieve the full version of PureBasic.

The price per copy is:

( ) FF 400.00 ( ) DM 120.00 ( ) £ 50.00 ( ) USD 80.00

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Country: \_\_\_\_\_

Phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_

All the requested formation is considered personal and private. It will not be distributed for any reason by Fantaisie Software.

I am sending the shareware donation by (mark appropriate):

( ) In cash currency as marked above. Immediately send my keyfile as marked below.

( ) Other method per E-Mail advanced approval. (Approvals kept for confirmation pending receipt of registration form)

All donations in the currencies shown above. Other currencies not accepted due to exchange reasons.

Please send me full program via (mark appropriate):

( ) E-Mail (UU - MIME encoded file)

( ) Regular Mail (on disk)

I have read the terms and conditions of distribution and agree.

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Date

Signature

Notes about Pure Basic:

## 1.8 How to contact us

To send bug report, suggestions, improvement, example source code or simply if you want to talk with us, use the following addresses:

\* Frédéric 'AlphaSND' Laboureur

Fred 'AlphaSND' is the fondator of the Fantaisie Software team and he's the main coder. All the suggestions, bug report should be addressed to him.

s-mail: Frédéric Laboureur  
10, rue de Lausanne  
67640 Fegersheim  
France

e-mail: [alphasnd@sdv.fr](mailto:alphasnd@sdv.fr)

\* Richard Andersson

Richard is a very talentued coder which help Fred to develop strong and powerful assembler sublibraries for Pure Basic. If you need a new library, touch him some words..

e-mail: [rzc735w@tninet.se](mailto:rzc735w@tninet.se)

\* Daniel Allsopp

He has recently joined the Fantaisie Software team and is charged to develop the new integrated editor for Pure Basic. If you have suggestions to do for the editor, contact him.

e-mail: [daniel@thesnakepit.demon.co.uk](mailto:daniel@thesnakepit.demon.co.uk)

## 1.9 Thank you all

We would like to thanks many external peoples which has helped in this ambitious project. It wouldn't be possible without them !

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\* Frank WILLE:

Thanks for all the tips about 'pasm' and to allow us to include your excellents assemblers 'pasm' and 'PhxAss'.  
Once again, thanks.

\* Steffen HAEUSER:

To have give us some time to explain how to do some valid PPC code and gave lot of very useful tips.

\* Thomas RICHTER:

To have created PoolMem, a so good patch which decrease the compiling time by a factor of 2-3 ! Thanks to allow me to put it in the main archive.

\* Roger BEAUSOLEIL:

To be the first to believe in the project and to have helped at start for the main design of the Pure Basic

\* Morgan LES:

To have corrected and enhanced the english Fantaisie Software site web  
This looks mouch more better.. Thank you !

\* BlitzBasic mailing list members:

To have be very cooperative and to give some feedback about the way to follow...

## 1.10 Pure Basic History

V1.00 (01.09.1999):

First world wide release

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