

# **ProgrammersAssist**

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<b>COLLABORATORS</b>
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	<i>TITLE :</i> ProgrammersAssist		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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<b>REVISION HISTORY</b>
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## Chapter 1

# ProgrammersAssist

### 1.1 Programmer's Assistant Index:

#### General Info

DeTab Button	- Get rid of those pesky Tabs.
Indent Button	- Make someone's code legible.
Adjust Button	- Break lines into smaller ones.
CodeEdit Button	- Surely the code is perfect??
AmigaGuideEdit Button	- Someday one will exist!
Amiga->IBM Button	- Convert to what???
IBM->Amiga Button	- Thank God you came to your senses!
File Name String	- What to operate on.
ASL Requester Button	- Find a file.
ToolTypes	- The Icon junk.
ToolTypes ListView	- Configuration stuff.
ToolType String	- The Mystery Gadget
Vanilla Keys	- Satanic KeyPresses
Author	- Who wrote this great program?

### 1.2 Programmer'sAssistant General Information:

A GUI for various text editing & formatting tools used for generating source code.

When the program Icon gets clicked on, nothing will happen until you press the HOTKEY defined in the Icon's ToolTypes array. Only then will the GUI appear & allow you to use the program. This is because the Program appears as a Commodity to the Amiga-OS.

#### HISTORY

1.0 ProgrammerAssist is now working correctly!

- 1.1 Added Commodity capability to the program so that it can be placed in the WBStartup drawer.
- 1.2 Changed the method in which the Indent program is invoked, since the Indent program uses -o OutputFile for specifying that an output file is to be used.
- 1.3 Added the TabLength ToolType & removed some unnecessary Delay() calls.
- 1.4 Added the ability to open at the same directory to the ASL button Gadget.
- 1.5 Added the PathValid() function to the ASL button Gadget & ActivateProgram(), in order to make sure that garbage is not in the ASL FileRequester Drawer String Gadget when it opens.
- 1.6 Added code to open on the Active Screen.
- 1.7 Changed some of the vanilla keys for button gadgets.
- 1.8 Added the code for the Adjust button gadget.

SEE ALSO, ToolTypes

## 1.3 ToolTypes recognized by ProgrammerAssist:

ToolTypes recognized by ProgrammerAssist:

TABLENGTH	= 3	(Default)
CODEEDITOR	= C:Ed	(Default)
INDENT	= indent	(Default)
ADJUST	= AdjustText	(Default) V1.8
AMIGAGUIDEEDITOR	= C:Ed	(Default)
HOTKEY	= rawkey alt p	(Default)
CX_PRIORITY	= 0	(Default)
DONOTWAIT		

There are several menu items associated with ToolTypes:

Save ToolTypes - Save ToolTypes from the ListView to the Program Icon. WARNING! There is no undo feature for this. Keep a backup copy of the Icon if you wish to keep the original settings.

Restore ToolTypes - Reset the ToolTypes ListView contents to the ToolTypes present in the Icon.  
WARNING: Once the Save ToolTypes menu item has been selected, this button won't be of any use to you.

## 1.4 tooltypeslv

When you select a ToolType from this ListView Gadget, it gets written into the ToolType string Gadget below. You may change the ToolType there, but it will not take effect unless you save the ToolTypes. Even then, the CX\_PRIORITY might NOT be changed until your Amiga is Reset.

Since the Program is a Commodity, this means you have to remove the program using Exchange or a similar program. Alternatively, you can edit the ToolTypes in the Icon before the program gets started.

Any changes made to the ToolTypes won't be sent to the Icon until the Save ToolTypes menu item is selected.

## 1.5 tooltypestring

When you select a ToolType from the ListView Gadget, it gets written into this string Gadget. You may change the ToolType here, but it will not take effect until the program exits. Since the Program is a Commodity, this means you have to remove the program using Exchange or a similar program. Alternatively, you can edit the ToolTypes in the Icon before the program gets started.

Any changes made to the ToolTypes won't be sent to the Icon until the Save ToolTypes menu item is selected.

## 1.6 Keys that ProgrammerAssist recognizes:

a or A: Same as pressing the Amiga -> IBM Button.

b or B: Same as pressing the IBM -> Amiga Button.

c or C: Same as pressing the CodeEdit Button.

d or D: Same as pressing the Adjust Button.

e or E: Same as pressing the AmigaGuideEdit Button.

h or H: Show the user some info on the program (same as selecting the Info... menu item).

i or I: Same as pressing the Indent Button.

t or T: Same as pressing the DeTab Button.

x, X, q or Q: Same as pressing the Close Window Gadget.

NOTE: The Close Window Gadget (or equivalent) only closes the window, it does not end the program because it's a Commodity. This means you have to remove the program using Exchange or a similar program if you wish to end the program completely.

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## 1.7 AmigaGuideEdit Button:

Run the ToolType-defined AmigaGuide Editor on the file specified in the File Name string gadget.

## 1.8 CodeEdit Button:

Run the ToolType-defined Code Editor on the file specified in the File Name string gadget.

## 1.9 Adjust Button:

New for V1.8:

Bring up a Requester allowing the user to specify the line length & indentation size in order to split a text file into smaller, indented lines. This is used if there are not enough newlines in the source file, which forces you to have to scroll the file horizontally in order to read it.

## 1.10 DeTab Button:

Change all Tab characters into TabLength spaces.  
The Default number of spaces is 3.

## 1.11 Amiga->IBM Button:

Translate Amiga TextFiles into something that an IBM clone can use. This means replacing all LineFeeds with a Carriage Return-LineFeed combination, so your teletype will operate properly!

Don't ya just hate that 70's technology known as CPM (a.k.a. MS\_DOS)?

## 1.12 IBM->Amiga Button:

Translate IBM TextFiles into something that the Amiga can use. This means removing all Carriage Return-LineFeed combinations & replacing them with Linefeeds only. Don't ya just hate that 70's technology known as CPM (a.k.a. MS\_DOS)?

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### 1.13 HOME Environmental variable:

You can create an Environmental variable on the Amiga by placing:

setenv HOME "Path:to/.indent.pro" into your User-Startup file, or by invoking the same command inside a CLI or Shell program. This makes your life easier by requiring you to only keep one copy of .indent.pro in your filing system. setenv is an AmigaDOS command.

### 1.14 Indent Button:

Run the indent program on the file specified in the File Name string gadget in order to format C source code according to .indent.pro settings. The current version of indent that ProgrammerAssist expects to see is: ??? (55308 bytes) or greater. Those GNU/Unix bozos don't use a version string that the Amiga OS can find, so look for the one that will take the -o argument & will know about the HOME environmental variable. I've included a copy of the indent program in this distribution, along with its documentation. There is also an example of a .indent.pro file included.

### 1.15 File Name string Gadget:

Either enter the file you wish to transform in this gadget, or press the ASL file requester button to the right in order to select a file from the filing system.

### 1.16 aslrequester

Either press this button in order in order to select a file from the filing system or enter the file you wish to transform in the File Name string Gadget.

### 1.17 The Author (what a hoopy guy!):

If your conscience is bugging you to contribute some cash for my programming efforts, please send \$5 (US) or more for the program to:

The Author (a real cool frood!):

James T. Steichen  
2217 N. Tamarack Dr.  
Slayton, Mn. 56172-1155 (USA)

email: jimbot@rconnect.com (best place to send bug reports)

ProgrammerAssist was written using SAS-C V6.58.

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The GUI was put together with GadToolsBox V37.300 (14.3.93) (C)  
1991-1993 by Jaba Development. I wish that there was an easy way to pay  
for this godsend of a program (Thanx guys!).

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