

GTBTranslator

COLLABORATORS

	<i>TITLE :</i> GTBTranslator		
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Chapter 1

GTBTranslator

1.1 GTBTranslator.guide Table of Contents:

1. General Info

Requirements

Distribution

Running the System

Warranty

Disk Configuration

Known Bugs

TroubleShooting

2. Misc:

ToolTypes

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ToDo List

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1.2 GTBTranslator© 2003 User Manual:

This manual is intended as an aid in using the GTBTranslator © system. It is not intended to be used as a primer on the SmallTalk language or C or GadToolsBox . GTBTranslator © is a program that takes the output files of GadToolsBox V2.0b & translates their contents into either a C source file or an AmigaTalk source file.

The main reason I wrote these program(s) is because I got tired of editing the generated C source files from GadToolsBox. It takes at least two hours per project simply to make the output from GadToolsBox readable & compilable. There are also several problems that have to be corrected in order for the generated source to run correctly as well. GTBTranslator

will also generate an SMakeFile & the Locale header file associated with your C-source code.

Currently, GTBTranslator is intended to generate simple, one-window GUIs.

In order to use GTBTranslator, you have to have the [Requirements](#) .

[File System Configuration](#)

[Warranty](#)

[Distribution](#)

[Startup](#)

[Author](#)

[Still to do...](#) (Unfinished business)

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1.3 Tag strings used by GTBScanner:

GTBScanner looks for tags in a .template file in order to determine where to place certain parts of generated code into either the C-source file or in an AmigaTalk source file. The following tags are used in a C-template file in order to figure out where to place the various parts of the GUI specified in the .ini file generated from the GadToolsBox .gui file:

\$ProjectFileName -- The ProjectFileName from [ProjectDataTags] goes here

\$ProjectVersion -- The ProjectVersion from [ProjectDataTags] goes here

\$ProjectName -- The ProjectName from [ProjectDataTags] goes here

\$DateToday -- Place the AmigaOS date here.

\$ProjectAuthorName -- The ProjectAuthorName from [ProjectDataTags] goes here

\$ProgramOptionDefines -- Optional flags that evaluate to TRUE are placed here

\$IconSupport -- Add optional Icon (ToolTypes) support code here

\$ASLSupport -- Add optional ASL Requester support code here

\$ImageSupport -- Add optional Boopsi Image support code here

\$IncludePragmas -- Add optional pragma #include files here

\$LocaleHeader -- Place the #include "ProjectNameLocale.h" here.

\$IncludeCommonFuncs -- Place the #include "CommonFuncs.h" here

\$GadgetIDs -- Generate the Gadget ID #defines here

\$GUIVariables -- Place the various GUI variables here.

\$MXStrings -- Any defined MX button strings go here.

\$CycleStrings -- Any defined Cycle (Rollo) button strings go here.

\$ListViewStrings -- Any defined ListView strings go here.

\$ScreenFontName -- Place the desired Font Name here (minus the .font)

`$ScreenFontSize` -- Place the desired Font Size here
`$MenuFunctionNames` -- Generate the Functions declarations for Menus here
`$MenuArray` -- Generate the NewMenu array here.
`$IntuiTextArray` -- Generate the IntuiText structures here.
`$GadgetTypesArray` -- Generate the Gadget types array here.
`$GadgetFunctionNames` -- Generate the Function declarations for Gadgets here.
`$GadgetsArray` -- Generate the NewGadget array here.
`$GadgetTagsArray` -- Generate the NewGadget Tags array here.
`$LocaleStrings` -- Place the Gadget, Menu locale string settings here.
`$SetupScreenCode` -- Generate the Code required to open a Screen.
`$CloseScreenCode` -- Generate the Code required to close a Screen.
`$CloseWindowCode` -- Generate the Code required to close a Window.
`$OpenWindowDefn` -- Generate the Code required to open a Window.
`$IDCMPHandlers` -- Generate the IDCMP function skeletons here.
`$IDCMPCode` -- Generate the IDCMP callers here.
`$MenuFunctions` -- Generate the Menu function skeletons here.
`$GadgetFunctions` -- Generate the Gadget function skeletons here.
`$BevelBoxRenderFunction` -- Generate the function to render BevelBoxes here.
`$IntuiTextRenderFunction` -- Generate the function to render IntuiText here.
`$CloseGUI` -- Generate any extra code to close the GUI here.
`$OpenGUI` -- Generate any extra code to open the GUI here.
`$MainSettings` -- Generate the code required to interface to the GUI.

Some of these tags are NOT used in generating AmigaTalk source code.

Here are the additional tags required by AmigaTalk generators:

1.4 Unfinished business:

The following parts of the GTBTranslator © program still need work:

1. Re-write the GTBScanner to account for multiple windows/projects in a GadToolsBox source file (*.gui).
2. Complete program documentation (yeah, right!).

1.5 Troubleshooting GTBTranslator:

First of all, let me state that this section of the help system is far from complete. I've added a lot of error detection code to GTBTranslator (this is one of the reasons it's gotten so big), but I cannot account for everything that a User's system has installed or things that might be missing. The program has been tested on

an A4000T with a 68060 50Mhz CPU, & a CyberVision 64D graphics card.

The program has always been compiled with the SAS-C Compiler V6.5+).

I've avoided depending on 3rd-party shared libraries (such as MUI, etc),

but there might be some code that still uses older shared

Amiga-supplied libraries.

Verify that your system meets the [Requirements](#) .

Next check the GTBTranslator directory [Configuration](#) .

Examine the [GTBTranslator.info](#) file & verify

the ToolTypes match your needs & file configuration.

Verify that your problem is not a [Known Bug](#) .

If you have previous version(s) of GTBTranslator, see if they work for you.

Try running the program from a Shell/CLI & see what error messages the program generates.

Make sure that you have not changed the Icon toolTypes to garbage (you did keep a backup of the icon didn't you? If not, unarchive the original icon).

If you have SnoopDOS available use it to see what the program is looking for that you do not have installed on your system.

If all this does not solve your problem, then send an email to [me](#) .

See Also, [Warranty](#) (yeah right).

[Distribution](#)

[Running the System](#)

[System Differences](#)

1.6 Bugs known to the Author of GTBTranslator:

The following bugs are known to the [Author](#):

1. The Scanner cannot generate multiple Window .gui files completely.
2. GadToolsBox always adds IDCMP_INTUITICKS, IDCMP_MOUSEBUTTONS & IDCMP_MOUSEMOVE to the *.gui file it generates, no matter if you clear their CheckBoxes or not, so you will have to edit these out of the final source file that you generate (sorry).

SEE ALSO [TroubleShooting](#)

1.7 File System Configuration:

Simply click on the GTBTranslator Install Icon to install the program.

There might be more files in some directories, so this list represents only the minimum that you received.

This is the layout of the GTBTranslator environment that you need to have

in order to suppress un-wanted requester activity:

Assign GTBTranslator: to a directory or partition: DH0:GTBTranslator/ (example)

GTBTranslator -- The main program.

GTBTranslator.info -- The main program icon. (See also, [ToolTypes](#))

GTBTranslator.guide -- This file.

GTBTranslator.guide.info

GTBScanner -- Converts .gui file into a .ini file.

GenC.template -- Used by gtbGenC() to make the C-source file(s).

GenATalk.template -- Used by gtbGenATalk() to make the Amigatalk source file(s).

Sub-directories of GTBTranslator:

1.8 GTBTranslator requirements:

REQUIREMENTS

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68040 or better microprocessor.

(68000 or 68020 versions available upon request)

CommonFuncs.o (available on aminet -- but supplied with the program(s)).

CommonFuncs.h (available on aminet -- but supplied with the program(s)).

GadToolsBox V2.0b (available on aminet)

AmigaDOS 3.5+

C-Compiler (SAS-C V6.5+ preferred)

AmigaTalk program (preferred, but optional [available on aminet])

Hard disk.

## 1.9 NO warranty for GTBTranslator:

### NO WARRANTY

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There is no warranty for this software package. Although the [Author](#) has tried to prevent errors, he can't guarantee that the software package described in this document is 100% reliable. In fact, I can certainly guarantee that there are some problems in the code. You are therefore using this material at your own risk. The author cannot be held responsible for any damage which is caused by using this software package. So if your Amiga jumps up & has sex with your cat, you should keep the cat away from the Amiga! Hey, what do you want for free?

(See [Disclaimers](#))

I would appreciate any bug reports & I would suggest that you send them via e-mail to my attention: jimbot@frontiernet.net

1.10 If it don't work, you're to blame:

You get to figure out which ones apply to this program ;)

No other warranty expressed or implied.

List was current at time of printing.

This supersedes all previous notices.

This information is subject to change without notice.

All rights reserved.

Do not purchase if seal has been tampered with.

Contents under pressure. Do NOT incinerate.

Some assembly required.

List each check separately by bank number.

Batteries not included.

Some settling of contents may occur during shipping.

Use only as directed.

Do not use while operating a motor vehicle or heavy equipment.

This product is meant for educational purposes only.

Postage will be paid by addressee.

This is not an offer to sell securities.

Apply only to affected area.

May be too intense for some viewers.

Do not stamp.

For recreational use only.

All models over 18 years of age.

If condition persists, consult your physician.

No user-serviceable parts inside.

Times approximate.

Simulated picture.

Breaking seal constitutes acceptance of agreement.

One size fits all.

Contains a substantial amount of non-tobacco ingredients.

Colors may, in time, fade.

We have sent the forms which seem to be right for you.

Slippery when wet.

Parental guidance suggested.

Do not bend, fold, spindle, or mutilate.

We reserve the right to refuse service to anyone.

Use unleaded fuel only.

Not affiliated with the American Red Cross.

Drop in any mailbox.
Edited for television.
Keep cool; process promptly.
Post office will not deliver without postage.
Not responsible for direct, indirect, incidental or consequential damages resulting from any defect, error or failure to perform.
No part of this publication may be reproduced in any form or by any means without the prior written permission of the publisher.
Some of the trademarks mentioned in this product appear for identification purposes only.
At participating locations only.
Your mileage may vary.
Substantial penalty for early withdrawal.
Lost ticket pays maximum rate.
Your cancelled check is your receipt.
Avoid contact with skin.
Be sure each item is properly endorsed.
Sign here without admitting guilt.
Other items sold separately.
Slightly higher in California.
Employees and their families are not eligible.
Limited time offer, call now to insure prompt delivery.
No passes accepted for this engagement.
Use only in well-ventilated area.
Keep away from fire or flame.
Replace with same type.
Approved for veterans.
Booths for two or more.
Some equipment shown is optional.
Don't try this at home.
Dispose of properly.
Prerecorded for this time zone.
Reproduction strictly prohibited.
Do not immerse.
No solicitors.
No alcohol, dogs, or horses.
List at least two alternate dates.
Record additional transactions on back of previous stub.
Price does not include taxes, title, or destination charges.
This is not a competition, it is only an exhibition.
No wagering.

1.11 GTBTranslator distribution:

DISTRIBUTION

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This software package is ShareWare. It may be put on any media which is used for the distribution of ShareWare, like Public Domain disk collections, CDROMs or FTP servers.

In order to ensure the integrity of this software package, distributors should use the complete original distribution. The author cannot be held responsible if this software has become unusable due to modifications of the distribution contents or of the distribution files themselves.

There is no limit on the costs of the distribution, e.g. for the media, like floppy disks, streamer tapes or compact disks, or the process of duplicating. Such limits have been proven to be harmful to the idea of shareware, i.e., instead of reducing the price of the floppy disk below the limit, the software was simply removed from the master disk.

Although the **Author** does not impose any limit on the distribution of this software, he would like to express his personal opinions on this matter:

\* This software package should be made available to everyone free of charge whenever it is possible (so they can send me money instead ;)).

\* If you have acquired this software package under normal conditions from a Public Domain dealer on a floppy disk at a price higher than US \$5, then you have definitely paid too much. Please don't support this improper profit making any longer and switch to a less expensive source as soon as possible.

## 1.12 Running the system:

The GTBTranslator system is invoked by typing the command GTBTranslator or by clicking on the GTBTranslator icon. The main GUI should be self-explanatory -- simply enter the two required file names & click on the task button that you wish to have the program perform.

After you enter your .gui source filename & your .ini destination filename, clicking on the Generate C Source button will go through the following steps in order to generate your final C-source file:

1. GTBScanner will read & parse the .gui file & produce the .ini file, after you have supplied any additional information you require into the second GUI Requester for Project Information.
2. gtbGenC() will read the .ini file & the .template file & generate the final C-source file, as well as a MakeFile & LocaleFile (if you checked them in the GUI).

### 1.13 GTBTranslator icon ToolTypes:

The following ToolTypes can be specified in the GTBTranslator icon:

ToolType: Default Values:

TextEditor = C:Ed

SavePath = GTBTranslator: (Where to send the output source code)

FilePath = GTBTranslator: (Where the GadToolsBox source files are)

TextViewer = MultiView

GeneratorProgram = GTBTranslator:GTBScanner

CTemplateFile = GTBTranslator:GenC.template

ATemplateFile = GTBTranslator:GenATalk.template

### 1.14 Author Information (What a hoopy guy!):

If your conscience is bugging you to contribute some cash for my programming efforts, please send \$15 or more for the program to:

The Author:

James T. Steichen (A real cool frood!)

2217 N. Tamarack Dr.

Slayton, Mn. 56172-1155 (USA)

email: jimbot@frontiernet.net (best place to send bug reports)

GTBTranslator was written in C using the SAS C compiler V6.58.

### 1.15 Information about GadToolsBox:

GTBTranslator was written to translate GadToolsBox files into both GTBTranslator source & C-source code.

GadToolsBox V37.300 (14-April-1993) is copyrighted by Jaba Development (C) 1991-1993

& was written by:

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