

**AmiTI V2.63**

**COLLABORATORS**

	<i>TITLE :</i> AmiTI V2.63		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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**REVISION HISTORY**

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# Chapter 1

## AmiTI V2.63

### 1.1 Welcome to AmiTI V2.63!

\* AmiTI is copyright 1998 Galactik/Unitech \*

\* It is relased as freeware \*

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NOTE: If someone draws a better icon for AmiTi, PLEASE send it to me (mine is BAD :-). I will put his name in the next version!

If you use AmiTI please drop an email to say what you think of it, if you had ideas for improvments, bug reports.

You can also ask for help on any kind about TI

AmiTI now can -send, receive, and screendump from a Ti86

-send, receive from a Ti82

### 1.2 musthave

In order to make AmiTI work you must have

- an Amiga :-)

- a TI <:^))

- reqtools

- Workbench 36+

WARNING : I don't have tested it on a 68000 so there might be

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some problems, like bus error (I'm not sure, I haven't  
the time to check all the source code !)

AmiTI was developed on an Amiga1200 Tower - Blizzard 1230IV

- 8Meg Fast - CD\*8 - HD 1.6Go Seagate

will be upgraded soon with a Blizzard PPC and a BVisionPPC

(humm, as soon as I could get enough money!)

Then maybe I would make a version of AmiTI that works with PPC!!!

Dump of genam :

-----  
GenAm Macro Assembleur Copyright © HiSoft 1985-95

Tous droits réservés - version 3.16

Assemblage en cours AmiTI2.s

Premier passage

Deuxième passage

0 erreurs trouvées

8041 lignes assemblées en 19746 octets pour obtenir un code Amiga exécutable

relogeable

STATISTIQUE :

351116 octets utilisés,

Assemblage réalisé en 3.403099 secondes.

-----  
For the ones who don't understand French:

0 error found :-)

8041 lines in 19746 bytes done in 3.403099 seconds

## 1.3 author

If you want to contact me you can send email to :

comandon@avo.net

It's the email of a friend of mine (thanx mat!)

Just specify it's for Galactik...

(I know I MUST get a connection, but don't panic, I can't stay

offline much longer ! )

If you want you can contact me via regular mail:

Jean-Charles PERRIER

Lot la Colline,Rte d'Avernay

42170 St Just/St Rambert FRANCE

FEEL FREE TO GIVE ME IDEAS, BUG REPORTS (yugh!), ETC

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## 1.4 problemes

\*\* The timeout problem is now partialy fixed :

You can now click on the left mouse button whenever you want  
in order to stop the communication

\*\* YOU CAN'T USE BACKUP RECIVED WITH AmiTI V2.63 WITH  
ANOTHER LINK PROGRAM (I guess...)

\*\* When sending or receiving many files, the communication can  
fail because when loading (or saving) the file, the O.S. is  
reactivated, and it can cause some interference on the  
parallel port. IF SOMEONE KNOWS ANYTHING ABOUT IT PLEASE HELP ME!  
(I've already tried to allocate system's ressource with  
AllocMiscRessource of the misc.ressource but it dosen't work !)

## 1.5 usage

WARNING: - Ti83 isn't done yet !

- you can't get a backup from a Ti86 yet !

- You can't get a backup nor a screendump from a Ti82 yet !

Just Start it !

Then you should choose first the TI you have connected

You can now choose to receive, send, or ask for a screendump

RECEIVE:

The prog should stop any other activity in your Amiga until the  
reception is over or if a reception error occured.

If you send more than one file at once, they will be saved  
separately NOT IN A GROUPED FILE!! so you must use AmiTI from  
RAM or HD when doing this.

When receiving a backup it will be saved as Backup.8xB

SEND:

If you want to send more than one file at once just hold down SHIFT  
and select your files (multi-selection)

You can send \*ANY\* kind of file (including Backup & grouped files)

NOTE: if you forget to plug the TI, and if you have already clicked  
on recive or send then put the TI in the appropriate mode and then  
plug it. It should work normally.

SCREENDUMP:

Warning : The TI MUST be under the system to send a screendump if  
an assembly prog is running it WON'T work.

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The Screendump will be saved as Screendump.IFF

Note : ALL FILES ARE SAVED IN THE AmiTI CURRENT DIRECTORY (for now)

If you want to stop the communication just press the left mouse button

When sending, AmiTI has no needs of any kind of file extension  
AmiTI will find the type of the file.

## 1.6 story

AmiTI V1.00 : - Send Fully fonctional (except for .85G)

When you used a grouped file AmiTI V1.00  
only send the first file !

- No ScreenDump
- Recive bugged !
- Can't recive backups !

V1.01 : - removed bugs on the recive function

- Still no screen dump and it can't recive backups

V1.02 : - Added the possibility of viewing the help page  
by pressing 3

- LED display added !

V1.03 : - Added the ScreenDump function !

V1.04 : - Added the reciving of backup !

V1.05 : - Added the multi-var reception!

WARNING : MUST BE USE FROM HD OR RAM:

V2.00 : - Did it ! : There is now a GUI !!

wahhho, it's so much easier!

- You can now send more than one file at once  
using SHIFT in the requester
- ScreenDump is now saved as IFF !

V2.5 : - Gui modified to accept TI82 - TI83 - TI86

(maybe in the future I will add the serial link  
support)

- Improved the IFF palette, now much closer to Ti !

V2.6 : - Gui modified again! now AmiTI shows the comment of  
the file in a text gadget !

- Now you can abort communication by pressing mouse !
- You can now start from WB but AmiTi won't save or  
load anything!!!! (so it's not really useful :-)

V2.61 : - Communication aborting is now **\*\*A LOT\*\*** safer !

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(in fact it's nearly perfect! if you notice some bugs please tell me !)

V2.62 : - About gadget added :-)

V2.63 : - Type of object string added

V2.64 : - Ti-82 now uses type of object string

- when receiving a Ti-85-86 type string is used

- Improved the load routines .

V2.65 : - The workbench launcher is now operational !

THE FUTURE :

- The possibility of saving REAL grouped files

(do you think it's necessary ?)

- Find a way to communicate without disabling the system !

- Compatibility with serial link (is it really necessary when an even better is available ?)

- maybe I can drop the mx gadget, because it isn't really necessary: for sending, the type of calculator is stored in the file and for receiving, the Ti tell us which one.

- If you think it's useful I can add the possibility to change the save directory (tell me).

HUMMM : another GOOD point, This link could ONLY work on an Amiga NEVER on a PC ( ROTFL !!)

If someone want me to make a compatibility for any kind of TI just ask me (like TI92) If you don't, I won't add this!

## 1.7 What and why : All the story

First I've bought a TI-85 , in those time, I've never think about connecting it to my Amiga (yeah I know it sounds funny!) . But one day (about 2 month) I've discovered ZShell and I've started to store a lot of files in asm, ... but I realize that I haven't anything to transfer it! So first, I've found ALink85 ( (c)Shawn D'Alimonte) and the schematics of the serial link. So I made it BUT it never works (don't think it's my fault I'm an electrical engineering student) and ALink85 was so boring (I HATE the C and EVEN MORE the Unix portage) In addition, I can't found the version 47 of ixemul.library! So this project had begun.

Main differencies between Alink85 and AmiTI :

- Programmed 100% in ASM (asm power!) using Devpac 3
  - The 1\$ parallel link ( **LOOK AT IT NOW!** )
- (I'm VERY proud of it)
- No C, so the acces of par. port is cleaner
  - IT WORKS WITHOUT ixemul
  - The size : ALink85 is about 187k for each of the TWO  
so Alink85 is 374k wide (+ more for screendump !)
  - and AmiTI is only ~20k for all the function of ALink85
  - + screendump in only one file (compressed it is 9k !)
  - + TI82-83-86 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! :-))

## 1.8 files

Okay here are the supported files :

- Backup .85B
- All the types of vars like (.8xx)
- The grouped files are also supported (.8xG)

AmiTI can download and save any kind of variables of the TI  
including backups :

- all files will be saved with the .8xG extension  
and with the name of the var.
- backup files will be saved as Backup.85B

ALL FILES DOWNLOADED WILL BE SAVED IN THE CURRENT DIR ! (for now)

WARNING : THE FILES SAVED WITH AMITI V2.63 USES THE SAME FORMAT  
AS THE OTHER LINK SOFTWARE, SO YOU CAN SEND A FILE SAVED  
WITH AMITI WITH ALINK (for example) BUT YOU CAN'T DO THIS  
FOR THE BACKUP FILES !

( I haven't be able to test this but I am quite sure it  
won't work !)

## 1.9 wire

It will probably be the most complicated wire you ever seen  
so be ready I don't want you to die when you'll see it !!!

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THE WIRE - THE WIRE - THE WIRE - THE WIRE - THE WIRE - THE WIRE - THE WIRE

Parallel Port Ti Link

(Amiga) (Ti)

No Pin

-

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/\
3 ----- Red -----\_/
|#|
2 ----- White-----||
|_|
21 ----- Ground-\|#|
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As you can see : -no resistor

-no diode

-nothing

why does the others use so much stuff when it's absolutely  
not necessary, I would never understand!

PLEASE NOTE : this is an Amiga specific link, those lamers on pc  
can NEVER use it ! (because of pc hardware !!! :-)))

Since AmiTI V1.02 you CAN connect 2 leds BUT IT'S ONLY AN OPTION !

They will flash according to what is recived or send !

One flash when the TI is sending and one other when it is  
the Amiga.

AMITI **\*\*CAN\*\*** WORK WITHOUT THESE LEDs .

You should connect them like :

```

20_____||_____
N|
|
19_____||_____|
N||
||
5_____||
|
|
4_____||

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