

# Simple Contacts Manager

## About the author.

I'm Luigi and I live in Italy; I'm a programmer (good or not I don't know). I've developed this program for some reasons: first of all (to try) to build a contacts manager and then to show use of Minigui library. You can find me on ([Hmg Forum](#)): my nickname is l3whmg. Sorry for my bad English.

## What is it?

Is one of many possible solutions to manage contacts. It is not a complete solution, I think a starting point. Above all an exercise to see in action a program developed with Xbase language, compiled with the Harbour compiler ([Harbour Project](#)), which uses a graphical interface Minigui ([Hmg site](#)) created by the great *Roberto Lopez*.

I repeat that is a starting point for those who want to try, as is usually said: *is a work in progress*.

## License.

All developed by myself is not covered by any license and / or warranty; you can use it, modify it as you wish. About Harbour compiler and Minigui library read their documentation.

## Distribution.

The distribution includes: all the sources I have developed, a database example, executable programs, images (I downloaded from [Iconfinder](#) and I care that they were free to use ) for buttons and this manual.

## Installation.

It's not required any procedure to install it; simply unzip where do you want and use it.

## Thanks.

*I wish to thank Roberto Lopez for his great work.* Minigui made it possible to implement programs, written in Xbase, with a graphical interface: simple in its syntax, but big in its potential.

Also like to thank my friends ([Hmg Forum](#)) who helped me.

## Technical references.

### Directory structure.

- Dat: it contain database example
- Exe: it contain executable programs and configuration file
- Prg: it contain sources, images and so on
- Doc: documentation

### Languages.

This program can have many languages, if you translate the default language (English.lng)! Make a copy of this file and translate terms but don't alter references. See «Configuration File» to change and activate.

### Programs structure.

For my habit, I do not automatically create the data base. I prefer to use a separate program that performs the following actions: generating archives, indexing files, compacting files. The program that performs these actions is called HCONZ999, while the data management program is called HCONP000. Every form has the same code (p000, p001, etc.) like its source.

*HCONZ999 structure.*

- hconz999.prg: actions menu
- HCONP999.prg: useful functions about tables structure
- SOMEFUNCS.prg: useful functions like: environments functions, database I/O

*HCONP000 structure.*

- HCONP000.prg: actions menu
- HCONP001.prg: about
- HCONP002.prg: counters manager
- HCONP003.prg: counter finder
- HCONP004.prg: categories manager
- HCONP005.prg: categories finder
- HCONP006.prg: languages manager
- HCONP007.prg: languages finder
- HCONP008.prg: types manager
- HCONP009.prg: types finder
- HCONP010.prg: mailing list manager
- HCONP011.prg: mailing list finder
- HCONP100.prg: contacts manager finder. With sub programs:
  - HCONP102.prg: general data. With sub program:
    - HCONP103.prg: mail address. With sub program
      - HCONP106.prg: mail address mailing subscription
    - HCONP104.prg: phone address
    - HCONP105.prg: postal address
- HCONP107.prg: mailing, address selector and extractor
- HCONP999.prg: useful functions about tables structure
- SOMEFUNCS.prg: useful functions like: environments functions, database I/O

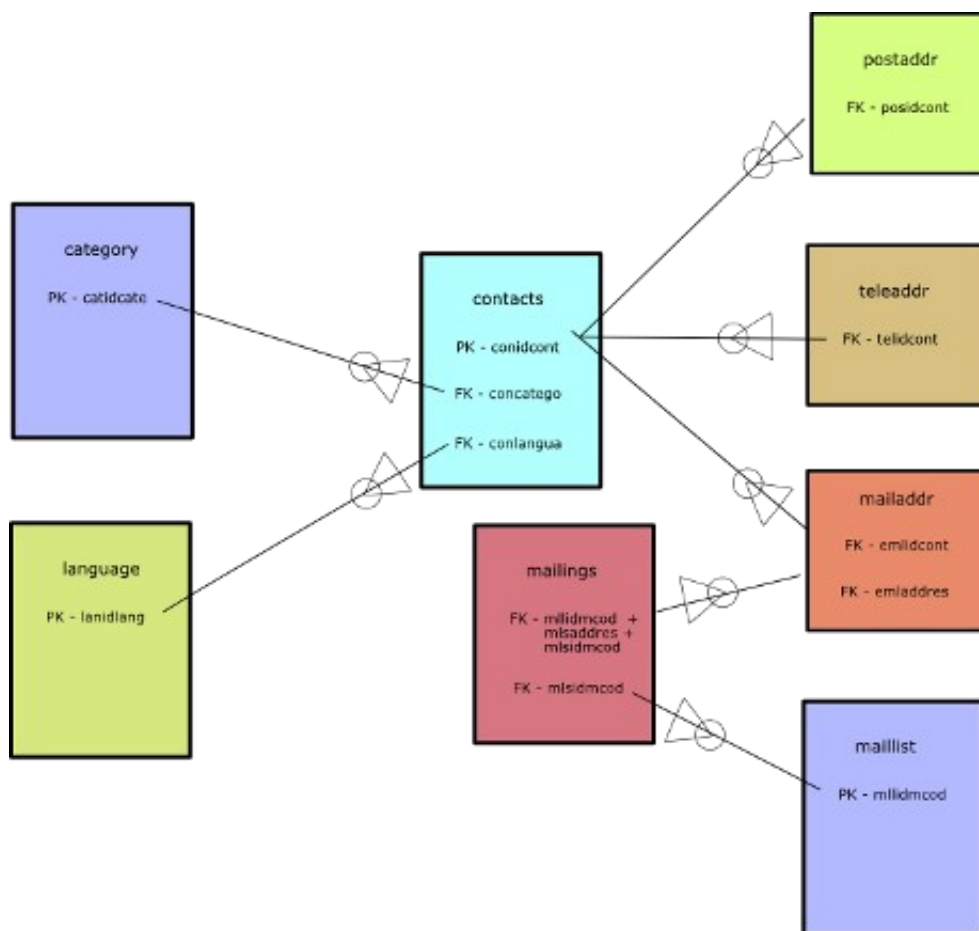
To compile main programs, you must use or refer to its .HBP file.

## **Database structure.**

First of all, I don't use "DELETE" command; all records of all tables have a status: Enabled (char is "A") or Disabled (char is "D"). Inside "HCONP999.prg" you can find tables structure definition.

<b>Name</b>	<b>Description</b>
progress	this table contains counters for internal use. "LSUBJECT" is the last number of contacts made; in other words corresponds to the code of contact.
contacts	main table of contacts.
postaddr	contact's postal address (more than one!).
teleaddr	contact's phone address (more than one!).
mailaddr	contact's email address (more than one!).
mailings	contact's email subscription to a mailing list (more than one!).
category	this table contains the definitions of contact's category. For example: friends, colleagues, family, etc. It will be used during the mailing process.
language	this table contains the definitions of languages. It will be used during the mailing process.
type	this table contains the definitions of types of: postal address, phone address and email address. For example: job, home, personal, etc. It will be used during the mailing process.
maillist	this table contains the definitions of mailing list

**Fig.1**



### Configuration file.

This file is used to set up some program environment. File name is "system.ini" and must be located in the same folder of the executable program. You can rename this file, but you must call the program in this mode "hconp000.exe -i filename". Here you can see an example of file:

```
#-----  
# Master System.ini file  
#-----  
[Application]  
Name=hconp000  
Title=Contacts Manager  
  
[Language]  
Langfile=%exepath%\English.lng  
  
[Database]  
Default=contacts  
DbId00=contacts  
  
[contacts]  
Description=Contacts Test  
CommonPath=%exepath%\..\Dat\  
Servername=Localhost  
Port=3306
```

#### You can change:

**Title:** the title of the application in your language;

**Langfile:** your new file language with path (%exepath% will be translate into the executable program folder);

*CommonPath*: the path where are all the tables (%exepath% will be translate into the executable program folder)

### Future

*ServerName and Port*: these are used if MySql or PostGreSql will be used!

It will possible to have more than one database: ASAP I do this. But if you want now, you must:

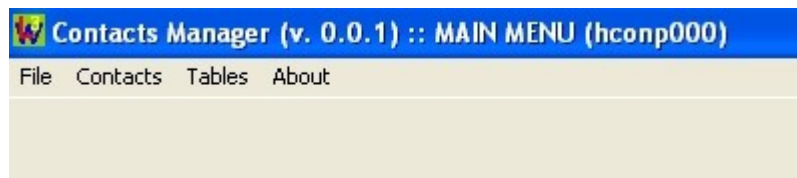
- 1) Add new databases in [Database] section in this way: Dbid01=NewDbName1, Dbid02=NewDbName2, ...
- 2) For every NewDbName create a new section (with the same name!) like "[contacts]"
- 3) Integrate a form to select database

## Using reference.

***Most important.*** I want remember to you this is an experiment, a work in progress, it's not good for production. It can has bugs and so on: the program IS AS IS.

### **HCONP000.exe.**

(hconp000.prg)

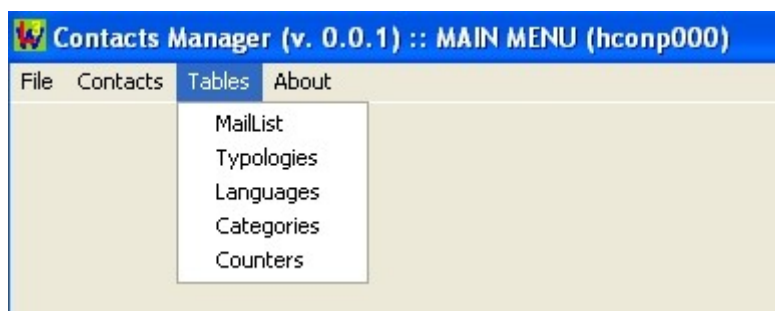
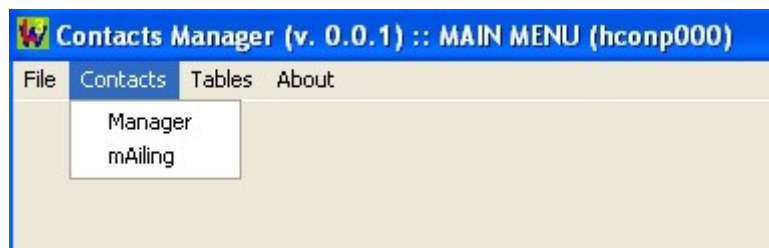


File: from here you can leave the program

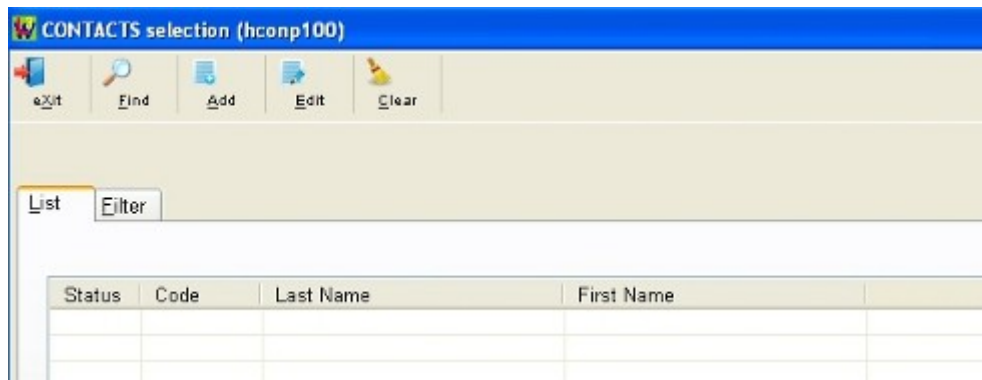
Contacts: you can manage contact's data and do mailing extraction

Tables: you can manage data table

About: you can know somethings about me.




## **Contacts ->Manager** (hcomp100.prg)





The screenshot shows the 'CONTACTS selection (hcomp100)' window. It has a blue title bar and a toolbar with icons for Exit, Find, Add, Edit, and Clear. Below the toolbar are two tabs: 'List' and 'Filter'. The 'List' tab is active, displaying a table with the following columns: Status, Code, Last Name, and First Name. The table is currently empty.

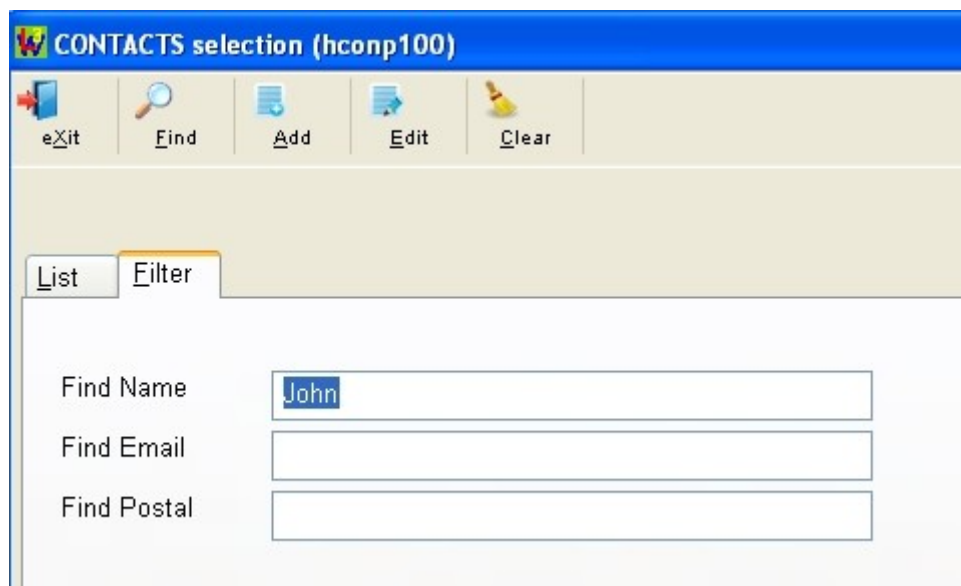
In this form you can:

- Add a new contact: press on Add button
- Find a contact: press on Find button
- Edit a contact: press on Edit button


*How to Add?* Simply press  button

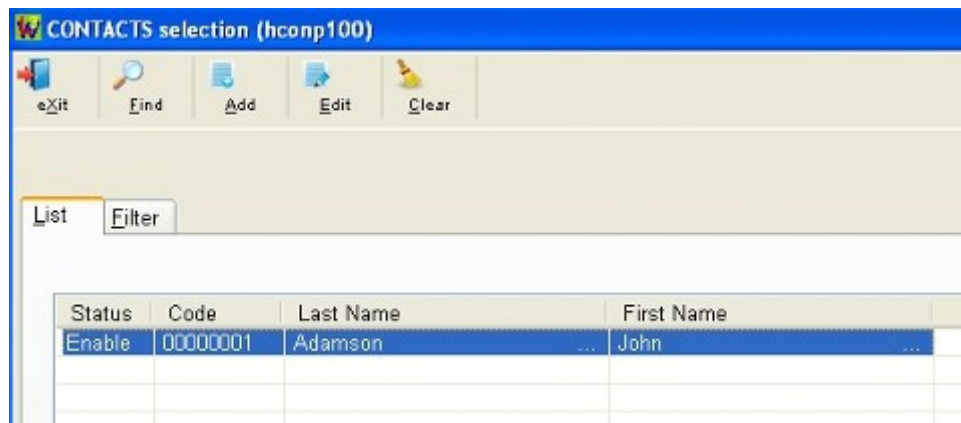
*How to Find?*

Method A) without Filter: simply press  button. You can see all your contact.  
Method B) with Filter: enter terms to find and then press  button



The screenshot shows the 'CONTACTS selection (hcomp100)' window with the 'Filter' tab selected. The 'Find Name' field contains the text 'John'. The 'Find Email' and 'Find Postal' fields are empty.

*How to Edit?* Before you must find a contact, then select the row and then press  button



The screenshot shows the 'CONTACTS selection (hcomp100)' window with the 'List' tab selected. The table contains one contact:

Status	Code	Last Name	First Name
Enable	00000001	Adamson	John

### **Contacts ->Manager -> General Data** (hconp102.prg)

In this form you can enter some general data and Add or Edit: email address, phone address and postal address.

CONTACTS manager (hconp102)

eXit Save

Code: 00000001 Status: Enable

Last name: Adamson

First name: John

Nick name: Johnny

Category: FRIEND Friends

Language: ENG English

EMAIL ADDRESS		
Status	Type	Short Descr.
A	HOME	personal mail

PHONE ADDRESS		
Status	Type	Short Descr.

POSTAL ADDRESS		
Status	Type	Short Descr.

Mandatory field: «Last name», «First name», «Category», «Language».  
If you don't remember category code or language code, press button.

When You have entered values you can press button to save ALL data.

Note: if you disable a contact, will be disabled all relative data: emails, phones and postal address. If you enable (previous disabled) a contact, you must enable manually the data: emails, phones and postal address.

How to Add/Edit an Email Address or a Phone Address or a Postal Address? Simply double click on relative grid.

### **Contacts ->Manager ->Phone Address** (hconp104.prg)

CONTACTS PHONE manager (hconp104)

eXit Confirm

Status: Enable

Typology: EMERG Emergency Address

Description: Emergency number

Phone number: +39014692937

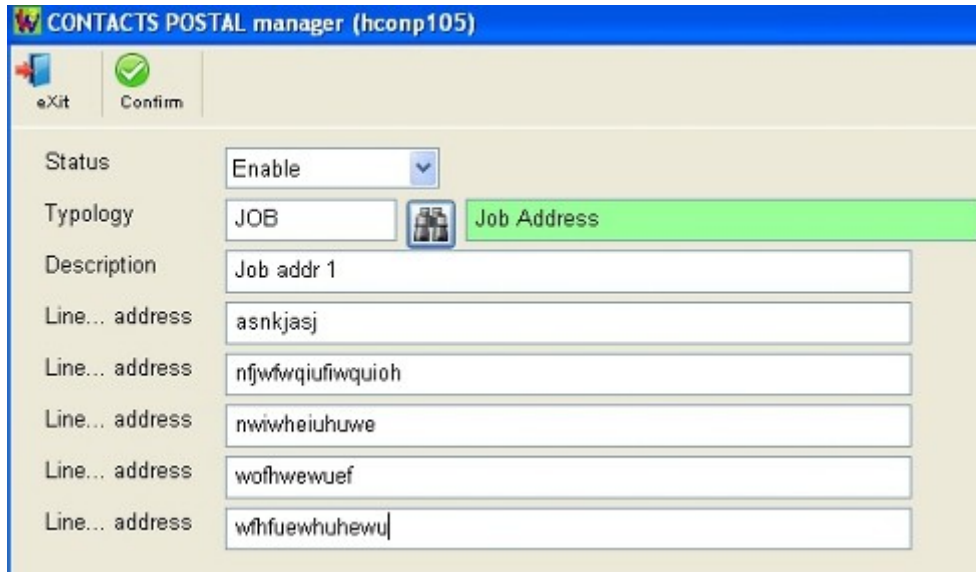
Mandatory field: «Type», «Description», «Phone number».

If you don't remember type code press button.


When you have entered values press button.


**ATTENTION:** confirm action don't save data on table. To do this you must use Save on General Data form

## Contacts ->Manager ->Postal Address (hcomp105.prg)



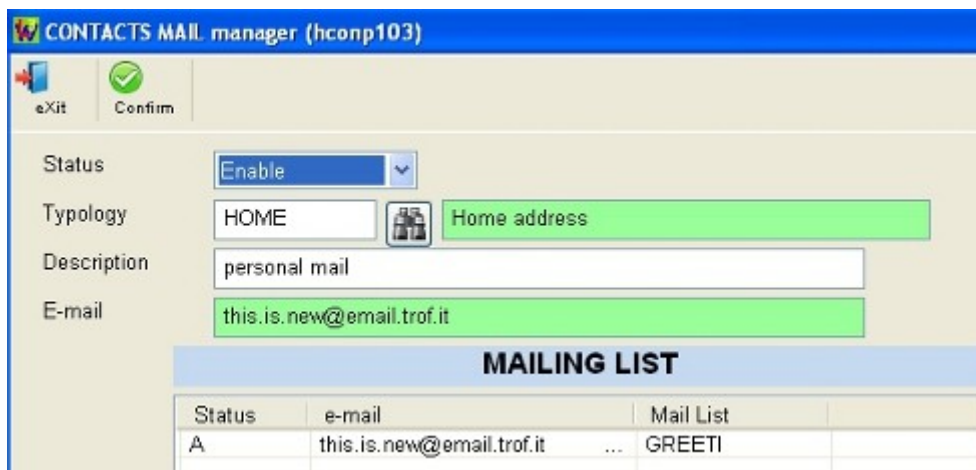
Mandatory field: «Type», «Description», «Line...Address» (only the first).

If you don't remember type code press  button.

When you have entered values press  button.


**ATTENTION:** confirm action don't save data on table. To do this you must use Save on General Data form


## Contacts ->Manager ->Mail Address (hcomp103.prg)



Status	e-mail	Mail List
A	this.is.new@email.trof.it	... GREETI

Mandatory field: «Type», «Description», «E-mail».

If you don't remember type code press  button.

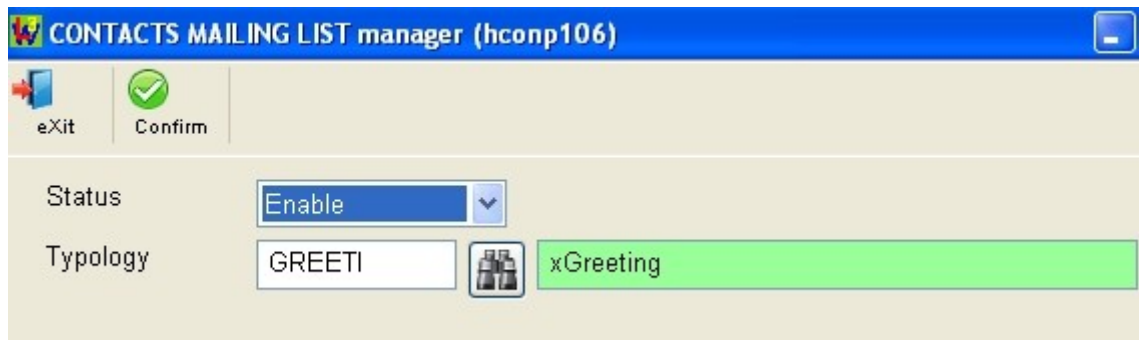
When you have entered values press  button.

**ATTENTION:** confirm action don't save data on table. To do this you must use Save on General Data form.

**ATTENTION 2:** you can not change email address of a Saved record. This because I must preserve table reference integrity with mailing subscriptions.

To Add or Edit mailing subscription double click on Mailing List grid.

**Contacts -> Manager -> Mail Address -> Mailing Subscription**  
(hcomp106.prg)




CONTACTS MAILING LIST manager (hcomp106)


eXit Confirm

Status Enable

Typology GREETI xGreeting

*Mandatory field: «Type».*

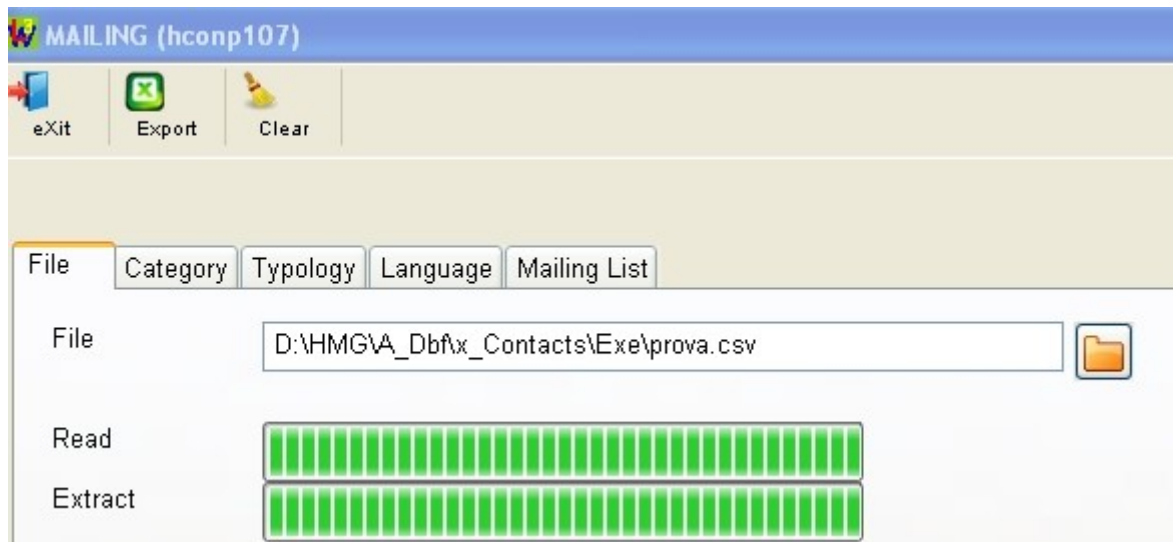
If you don't remember type code press  button.

When you have entered values press  button.

**ATTENTION:** confirm action don't save data on table. To do this you must use Save on General Data form.




## Contacts -> mAiling (hcomp107.prg)

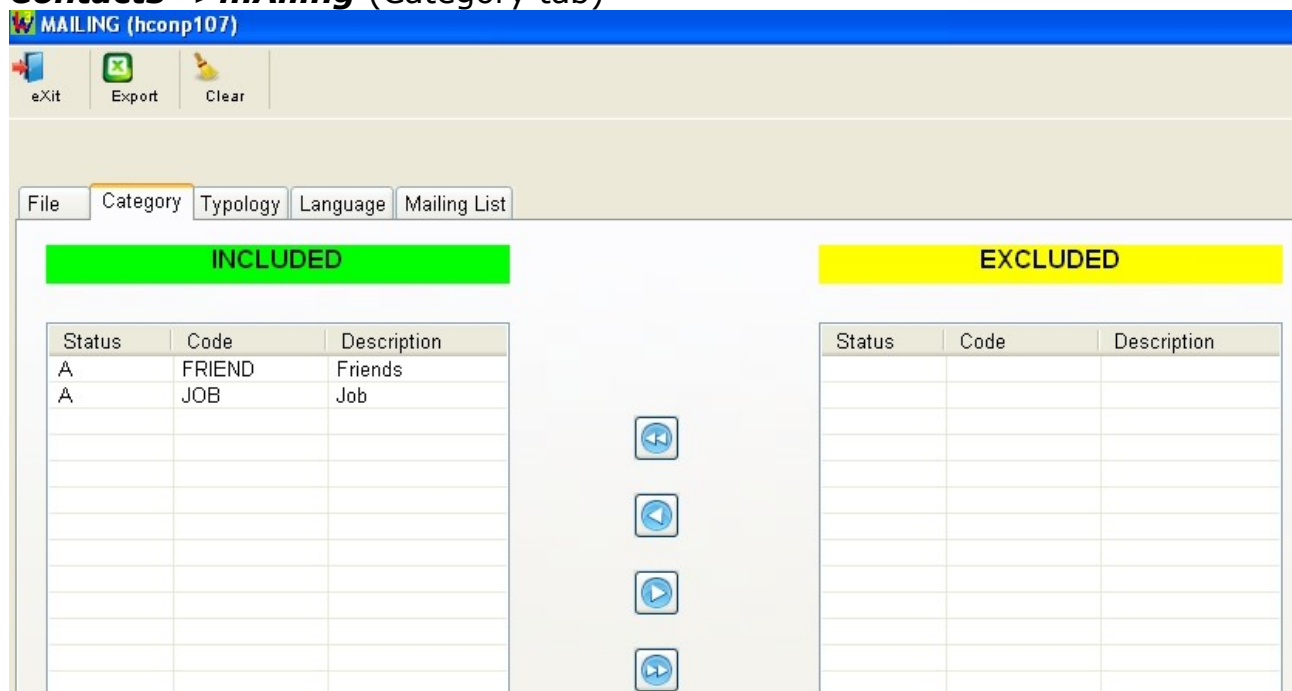


From this form you can extract email and create a .CSV file.

*Mandatory field:* «File». You must enter a file name with path or press  to navigate.

When you filled other tabs, you must press  to process.

## Contacts -> mAiling (Category tab)



Status	Code	Description
A	FRIEND	Friends
A	JOB	Job

Status	Code	Description

With central buttons you can include or exclude one or more code.  
Contacts with INCLUDED categories will be extracted.

## Contacts ->mAiling (Type tab)

MAILING (hcomp107)

eXit Export Clear

File Category Typology Language Mailing List

INCLUDED

Status	Code	Description
A	HOME	Home address

EXCLUDED

Status	Code	Description
A	JOB	Job Address
A	EMERG	Emergency Address

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▶

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With central buttons you can include or exclude one or more code.  
Contacts with INCLUDED typologies will be extracted.

## Contacts ->mAiling (Language tab)

MAILING (hcomp107)

eXit Export Clear

File Category Typology Language Mailing List

INCLUDED

Status	Code	Description
A	ENG	English
A	ITA	Italiano

EXCLUDED

Status	Code	Description

◀◀

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▶

▶▶

With central buttons you can include or exclude one or more code.  
Contacts with INCLUDED languages will be extracted.

## Contacts -> mAiling (Mailing List tab)

**MAILING (hcomp107)**

eXit

Export

Clear

File

Category

Typology

Language

Mailing List

INCLUDED

EXCLUDED

Status	Code	Description
A	GREETI	xGreeting

↔

⏪

⏩

⏴

Status	Code	Description
A	INFO	Informations

With central buttons you can include or exclude one or more code.  
Contacts with INCLUDED mailing list will be extracted.

## TABLES.


Management programs of the tables have the same look and functionality.

- Tables -> MailList (hconp010.prg and hconp011.prg)
- Tables -> Types (hconp008.prg and hconp009.prg)
- Tables -> Languages (hconp006.prg and hconp007.prg)
- Tables -> Categories (hconp004.prg and hconp005.prg)
- Tables -> Counters (hconp002.prg and hconp003.prg)

**ATTENTION** Don not alter value in counter table. This is for internal use and this number corresponding to Contact's code.




Here a brief description of programs functionality.


**Tables -> MailList** (*hcomp010.prg* and *hcomp011.prg*)


This table contains codes and descriptions of the Mailing Lists. You can Add new codes (enter the code and press RETURN) or change a  description or disable a code (enter code and press RETURN).

If you don't remember a code press `button`, select a code and press RETURN or Select.


**MAILISTS manager (hcomp010)**

 eXit
  Save
  Clear

Code  

Status  

Description

When you press  button you see this form.

[illegible]

If you enter a text and press the lens button you can find specific description.

Add and Edit buttons are useful when you search code from Contacts Manager program.