CreMAX

	COLLABORATORS			
	TITLE : CreMAX			
ACTION	*NAME*	*DATE*	*SIGNATURE*	
WRITTEN BY		August 5, 2022		

	REVISION HISTORY		
NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

CreMAX

1.1 Contents

```
              ******************************************************************* ←
* CreMAX v1.2 (02.04.1997) MAX's Beyond Thunder Dome!                    *
*                                                                        *
* Copyright © 1997 Cremlin Software, All Rights Reserved Worldwide. *
*********************************************************************
```

NOTE: In places this guide is incomplete. The Revision History section is
      very detailed and may document some 'new' features of CreMAX that
      haven't yet made it into the main guide.

```
*************************************************************************
* CreMAX v1.2 (02.04.1997) MAX's Beyond Thunder Dome!                  *
*                                                                     *
* Copyright © 1997 Cremlin Software, All Rights Reserved Worldwide. *
*************************************************************************
```

1.2 Disclaimer

I HEREBY REJECT ANY LIABILITY OR RESPONSIBILITY FOR THESE OR ANY OTHER
CONSEQUENCES FROM THE USE OF CreMAX WHATSOEVER. THIS INCLUDES, BUT IS NOT
LIMITED TO, DAMAGE TO YOUR EQUIPMENT, TO YOUR DATA, PERSONAL INJURIES,
FINANCIAL LOSS OR ANY OTHER KINDS OF SIDE EFFECTS.

CreMAX IS PROVIDED AS-IS. THIS MEANS I DO NOT GUARANTEE ANY BUG FIXES,
UPDATES OR HELP IN ERROR RECOVERY. ALTHOUGH CreMAX HAS BEEN TESTED
THOROUGHLY ON SEVERAL DIFFERENT MACHINES, I CANNOT RULE OUT THE POSSIBILITY
THAT CreMAX;

    · IS SOMEHOW INCOMPATIBLE WITH YOUR EQUIPMENT.
    · HAS BUGS THAT SHOW UP ON YOUR EQUIPMENT.
    · DOES NOT DO WHAT IT IS SUPPOSED TO DO ON YOUR EQUIPMENT.

IT IS SOLELY YOUR RESPONSIBILITY TO;

    · REGULARLY MAKE BACKUP COPIES OF YOUR DATA.
    · ENSURE THAT CreMAX WORKS ON YOUR EQUIPMENT BY FIRST RUNNING IT ON
      UNCRITICAL DATA, LIKE SMALL TEST PARTITIONS.

WARNING: EVEN IF CreMAX SEEMS TO WORK WELL ON SOME OR ALL OF YOUR TEST
EQUIPMENT, IT MAY VERY WELL FAIL ON DIFFERENT SETUPS OR ON THE SAME SETUP
AT DIFFERENT TIMES.

IT IS YOUR RESPONSIBILITY TO MAKE ANY PRECAUTIONS NECESSARY TO PROTECT
YOURSELF FROM THESE OR ANY OTHER EFFECTS. I EXPLICITLY REJECT ANY
LIABILITY OR RESPONSIBILITY FROM THE CONSEQUENCES OF YOU USING CreMAX.

1.3 Introduction

As some of you probably know, some time ago I started coding my ←
own BBS
system called SPUD. Mainly due to lack of time I gave up on this project,
but I have recently started a new project in the spirit of SPUD. It's a
new BBS system that uses MAX's BBS as it's core (for messages/fidomail/ANSI
emulation) but extends it's menu system to incorporate some new
features
that make MAX's more powerful and flexible.

Before you had to have one menu per file/message section (or use a door
such as MagicFile), now using the advanced conferencing features of CreMAX
you only need one menu for all of your file/message sections.

For example The Cremlin BBS has 23 file sections and 70 message sections,
spread over 6 mail networks, but running under CreMAX the whole BBS only
uses 13 menus, compared to the 100+ menus it would require using the
normal MAX's menu system.

Although CreMAX is a powerful program, I have tried to make it so that it
looks and feels like MAX's, to make the transition easier for your users.

If you choose to use HOTKEY and STRING menus on your BBS at once, this
might cause some confusion, so mix the different type of menu with care.

The first release of CreMAX (1.0 Beta) was released to selected users on
02/03/1997.
CreMAX 1.0 Gamma was released on 25/03/1997.

1.4 Features

· HOTKEYs (ala MAX's).
· Two letter HOTKEYs (HOT2KEYs).
· STRING entry (ala /X, DD etc.).
· Global menu functions (functions that work on any menu, useful for chat

interrupt, quick logoff etc.).
· Support for all Paragon/MAX's doors.
· Works with MAX's RIP/MAX's Pro.
· An advanced conferencing facility that reduces the amount of menus you
  require as well as optionally making your BBS feel more like an /X
  style one.
· An extended MAX's doorport that allows extra door commands such as
  running a door from within a door, controlling CreMAX's conferencing
  facilities and MAX's MasterPort functions.
· Extra menu functions (goto previous menu etc.).
· SysOp definable error messages.
· A Plug-in system that allows menu functions to be re-coded.

1.5 Requirements

· MAX's BBS v1.54 or MAX's RIP/Pro
· Workbench & Kickstart 2.04+
· maxdoor.library 1.0+ (included in this archive)

We recommend that you also have the following:

· Workbench & Kickstart 3.0+
· A Harddisk

1.6 Installation

                This is our example of how to install CreMAX, it is not the only ←
                  way,
however we feel that this is the best and easiest way to install it.

· Patch the main MAX's executable see
              Patching MAX's
                · Copy maxdoor.library to LIBS:
· Create a directory in your doors assign called 'CreMAX'
· Copy 'CreMAX_main' and the configuration files into the CreMAX drawer
· Create a directory in the CreMAX drawer called 'Menus'. This is the
  directory where we suggest you keep all your CreMAX menus.
· Copy DoorLauncher to your main doors assign
· Alter your door texts ('maindoor.text', 'logindoor.text' etc.) to use
  Door Launcher see
              Using DoorLauncher
                · Set up your CreMAX configuration file as in
              CreMAX Configuration File
                · Set up your Conferencing files as in
              The Conferencing Files
                ·~Set up your menus as in
              The Menu Files
                · Set up CreMAX see
              Setting Up CreMAX
                CreMAX has now been installed onto your system.

1.7 Patching MAX's

                    The supplied program CreMAXPatcher is used to patch the main MAX' ←
                    s
executable to allow you to use CreMAX.

To use CreMAXPatcher:

Make a copy of the main MAX's executable just in case the patcher does not
work properly (note you must have MAX's BBS v1.54 68000).

·~Open a new shell (or use workbenchs 'Execute A Command')
· Type <CreMAXpatcher path>CreMAXPatcher <bbs path><maxs executable>

The main MAX's executable should now be ready to run in conjunction with
CreMAX.

If the patcher has not worked (MAX's crashes on start-up etc.), just run
the patcher again! If it continues to fail you obviously have an
incompatible version of MAX's.
                    Contact us
                     and file attach your MAX's
executable to a message and we will create a patched version for you.

Please Note:
· Even if you are using MAX's Pro you STILL have to patch the actual MAX's
  executable because CreMAX does not use MAX's Pro's patch port (yet)!
· CreMAXPatcher currently only patches the 68000 version of MAX's.
· CreMAXPatcher will corrupt your MAX's executable if it is the wrong
  version or has been compressed with a utility such as PowerPacker, which
  is why we recommend you back-up your original MAX's executable until you
  are sure you wish to use CreMAX permanently.

1.8 Setting Up CreMAX

Setting up CreMAX is as easy as setting up a door!

·~Open up the 'maindoor.text', 'Logindoor.text' etc.
· Add the line CreMAX/CreMAX <path & filename of configuration file).
  (assuming the CreMAX directory is in your doors assign) somewhere in the
  file, depending on when you want to run it will depend where in the file
  the line will go (we would suggest CreMAX to be the last door run just
  before the main menu).

Eg. Adding CreMAX to the end of our 'maindoor.text' gives:

DoorLauncher Doors:DFBPauseFlagOn
DoorLauncher Doors:Ultrawall/Wall
CreMAX/CreMAX Doors:CreMAX/CreMAX.Cfg

All you have to do now is set up the configuration file, the conferencing
files (if you are going to use the conferencing facilities of CreMAX) and
your menu files.

1.9   Using DoorLauncher

```
Due to CreMAX altering the main MAX's executable, it is no longer possible
to run doors directly from the 'maindoor.text', 'logindoor.text' etc.

Which is why DoorLauncher exists, it fixes this problem!

To use DoorLauncher:

· Open all of your door text files ('maindoor.text' etc.)
· Type <doorlauncher path>DoorLauncher <door path><door>

   Eg. Wall/UltraWall – would become – DoorLauncher Doors:Wall/UltraWall

You must make sure that you provide the whole path for the door otherwise
it will not be run!
```

1.10   Setting Up The CreMAX Configuration File

```
                 This is the main configuration file that sets up all the defaults ←
                 for
CreMAX (no of menu keys etc).  It is the entries within this file that
determine how much memory CreMAX will require.

Some entries MAXENTRIES..., MAXITEMS....., MAXFILECONF.. and MAXMSGCONF...
allocate memory for their usage.

MAXENTRIES... requires 184 bytes per entry.

MAXITEMS..... requires 184 bytes per entry.

MAXFILECONF.. requires 92 bytes per entry.

MAXMSGCONF... requires 92 bytes per entry.

Therefore if your CreMAX configuration file contained the following
fields:

MAXENTRIES... 50
MAXITEMS..... 5
MAXFILECONF.. 25
MAXMSGCONF... 10

CreMAX would need to allocate:

              Menus : 50 x 5 x 184    = 46000 bytes.
    File Conferences : 92 x 25         = 2300 bytes.
Message Conferences : 92 x 10          = 920 bytes.
 Miscellaneous Data : 92 + 184 + 2570 = 2846 bytes.

        Grand Total : 52066 bytes.

NOTE : the same memory is used for each menu, so if you have 100 menus
then CreMAX will use the same amount of memory (configured via the
```

MAXENTRIES... and MAXITEMS..... fields) than if you only had 10 menus or
1 menu!

As you can see CreMAX can actually use up a lot of memory if you do not
specify sensible values in the configuration file. For this very
reason we recommend that you do not set values higher than you really
need.

If in the future you find that you need to alter them then it is just a
matter of typing in a new value.

Not only does it save on memory (if the option allocates memory) but it
also saves disk space as the file will be smaller if you remove unused
options.

'Hum' I hear you say, 'One option will save maybe 10 bytes.' This may be
true but lets say you have 100 file sections and in your file conference
configuration file you specify a CONFLOACCESS. and a CONFHIACCESS. but
their values are the same as the DEFLOACCESS.. and DEFHIACCESS.., then you
will be taking up disk space that could be free for files, if you do this
for your message conference configuration file and for your menu files as
well you will find that the bytes soon add up.

Click here for an
              example
               of a CreMAX configuration file.

The MAXITEMS..... field has not been implemented into CreMAX yet, so if you
have a value other than 1 you will just be wasting memory!

1.11   An Example Of A CreMAX Configuration File

```
            /*
 * CreMAX.Cfg file - Main configuartion file for CreMAX
 */


              MAXENTRIES...
               100

              MAXITEMS.....
               1

              MAXFILECONF..
               50

              MAXMSGCONF...
               100

              DEFLOACCESS..
               0

              DEFHIACCESS..
               10000
```

```
                    HOTKEYMENU...
                     Doors:CreMAX/Menus/MainMenu.HOT

                    STRINGMENU...
                     Doors:CreMAX/Menus/MainMenu.STR

                    HOT2KEYMENU..
                     Doors:CreMAX/Menus/MainMenu.H2K

                    FILECONFCFG..
                     Doors:CreMAX/FileConfs.Cfg

                    MSGCONFCFG...
                     Doors:CreMAX/MsgConfs.Cfg

                    GLHOTKEYCFG..
                     Doors:CreMAX/GlobalHOTKEYs.Cfg

                    GLSTRINGCFG..
                     Doors:CreMAX/GlobalSTRINGs.Cfg

                    GLHOT2KEYCFG.
                     Doors:CreMAX/GlobalHOT2KEYs.Cfg

                    KEYFILENAME..
                     Doors:CreMAX/CreMAX.Key
```

1.12   Setting Up The Conferencing Files

```
              There are two conferencing configuration files that CreMAX uses.  ←
                   One for
file sections and one for message sections.  It is these files that allow
you to use the conferencing and Auto-Insert facilities of CreMAX.

Both of the files contain the same fields, the only difference are the
section numbers and names.

The conferencing files hold the section number and section name of the
file or message section.  However the section name does not have to be the
as in MAX's or your external section door.  It is the text that CreMAX uses
for the Auto-Inserts.

For example your first file section is section 0 with a name of Utilities,
somewhere in the CreMAX file conferencing configuration file you could
have:

CONFNUMBER... 0
CONFNAME..... Utilities
CONFLOACCESS. 0
CONFHIACCESS. 10000

Or

CONFNUMBER... 0
CONFNAME..... Workbench 3.1 Utilities
```

```
CONFLOACCESS. 0
CONFHIACCESS. 10000
```

As you can see the CONFNUMBER... field must be the correct section number
but the CONFNAME..... can be any text that you want. This text is only
displayed if you use &FCN or %MCN on the MENUPROMPT... field within your
menus.

NOTE : It doesn't matter what order you have the sections in, within, the
conferencing configuration files, as long as the section numbers are there.
So you are able to have section 2 above section 1! Unless you are going
to use the up and down conference facility.

Click here for an
              example
               of a file conference configuration file.
Click here for an
              example
               of a message conference configuration file.

If you assign an access level to a section as for 'Section 0' above, the
user will need to fulfil the relevant levels to be able to access this
conference, if you do not specify one CreMAX will use the default values
set up in the
              CreMAX Configuration File
              .

1.13 An Example Of A File Conference Configuration File

```
              /*
 * File Conferences Configuration File
 */


              CONFNUMBER...
               0

              CONFNAME.....
               Utilities

              CONFLOACCESS.
               0

              CONFHIACCESS.
               10000

CONFNUMBER... 1
CONFNAME..... Graphics

CONFNUMBER... 2
CONFNAME..... Sound

CONFNUMBER... 4
CONFNAME..... MAX's
```

```
CONFNUMBER... 3
CONFNAME..... Programming
```

1.14   An Example Of A Message Conference Configuration File

```
            /*
 * Message Conferences Configuration File
 */


            CONFNUMBER...
             0

            CONFNAME.....
             Private

            CONFLOACCESS.
             0

            CONFHIACCESS.
             10000

CONFNUMBER... 1
CONFNAME..... General Chat

CONFNUMBER... 2
CONFNAME..... Sysops Only

CONFNUMBER... 3
CONFNAME..... For Sale

CONFNUMBER... 4
CONFNAME..... Movies/Television
```

1.15   Setting Up The Menu Files

```
            This is the main part of CreMAX, the menu files, these are what  ←
                control
your BBS (the same as the original MAX's).

Again like the configuration files the menu files are set up
independently of MAX's.  This means that your MAX's menu editor is now
redundant!

You can have as many menus files as you want and each menu file can
contain as many menu functions as you want, however, CreMAX will only load
the number of functions from the menu file as you have set in the CreMAX
configuration file (MAXENTRIES...).

Menu files can be as complex or as simple as you want, like the
configuration files if you do not want one of the options for that menu
function you can just leave it out!
```

However unlike the other configuration files there are a couple of fields
that each menu file MUST contain somewhere within the file. These fields
are not part of a menu function but are information CreMAX needs to know
about the menu itself, for example what type of menu it is, HOTKEYs or
STRINGs or HOT2KEY etc.

The fields that must be included in a menu file are:

MENUTYPE.....
MENUTEXTMAIN.

There are a couple of fields that are optional but are not part of menu
functions, these are:

MENUTEXT.....
MENUPROMPT...

If your menu is a STRING menu you are still able to have single and double
key menu functions but you must remember that the user will still have to
press return after typing the character(s)!

NOTE : If you are have menu functions that appear on all your menus you
really should use the global menu facility of CreMAX.

Click here for an
              example
               of a menu file that uses HOTKEYs.
Click here for an
              example
               of a menu file that uses HOT2KEYs.
Click here for an
              example
               of a menu file that uses STRINGs.

Remember you are only able to have one type of entry per menu, this means
that you are unable to have STRINGs and HOTKEYs on one menu!

1.16   An Example Of A Menu File That Uses HOTKEYs

```
              /*
 * CreMAX Menu File - HOTKEYs
 */


              MENUTYPE.....
               HOTKEY

              MENUTEXTMAIN.
               <BBS:Menus/MainMenu.ANSI


              MENUKEY......
                X
```

```
                MENUFUNCTION.
                 34

                MENULOACCESS.
                 10000

                MENUFILENAME.
                 Doors:MAXShell/maxshell

MENUKEY...... F
MENUFUNCTION. 2
MENUFILENAME. BBS:Doors/CreMAX/Menus/FileMenu-1.HOT

MENUKEY...... M
MENUFUNCTION. 2
MENUFILENAME. BBS:Doors/CreMAX/Menus/MessageMenu-1.HOT

MENUKEY...... I
MENUFUNCTION. 16

                MENUEXTRA....
                 4
MENUFILENAME. Muffin
```

1.17   An Example Of A Menu File That Uses HOT2KEYs

```
/*
 * CreMAX Menu File - HOT2KEYs
 */

MENUTYPE..... HOT2KEY
MENUTEXT..... Dear %R, This Menu Uses HOT2KEYs.
MENUTEXTMAIN. <BBS:Menus/MainMenu.H2K.ANSI

MENUKEY...... CS
MENUFUNCTION. 34
MENUFILENAME. Doors:MAXChat/MAXChat

MENUKEY...... FM
MENUFUNCTION. 2
MENUFILENAME. BBS:Doors/CreMAX/Menus/FileMenu-1.HOT

MENUKEY...... LO
MENUFUNCTION. 1
```

1.18   An Example Of A Menu File That Uses STRINGs

```
                /*
 * CreMAX Menu File - STRING
 */

MENUTYPE..... STRING
```

```
MENUTEXTMAIN. <BBS:Menus/MainMenu.STR.ANSI

                MENUPROMPT...
                 The Cremlin [N%S] [#%MC:%MCN]^M[#%FC:%FCN] %k Mins.left>:

MENUKEY...... PAGE
MENUFUNCTION. 34
MENULOACCESS. 10
MENUFILENAME. Doors:MAXChat/MAXChat
MENUKEY...... DOWN
MENUFUNCTION. 24

MENUEXTRA.... 102
MENUFILENAME. BBS:Files/Freefiles/FileList.LZX

MENUKEY...... EDIT
MENUFUCNTION. 16
MENUEXTRA.... -2

MENUKEY...... LOGOFF
MENUFUNCTION. 1

MENUKEY...... FILES
MENUFUNCTION. 2
MENUFILENAME. BBS:Menus/FileMenu-1.STR
```

1.19 Setting Up The Global Menu File

The global menu files are the same as a normal menu file but ←
                without the
following fields:

```
MENUTYPE.....
MENUTEXT.....
MENUTEXTMAIN.
MENUPROMPT...
```

The global menu file is loaded every time that a normal menu is loaded, it
enables you to assign HOTKEYs, HOT2KEYs and STRINGs to every menu of the
same type (eg chat interrupt) without actually having to add them to every
menu.

You are able to use all normal menu fields for your global menus except
for the ones mentioned above. If you do include the fields mentioned
above in your global menu file then CreMAX will just ignore them!

There are 3 global menu files, one for each type of menu. If the menu is
a HOTKEY menu then the HOTKEY global file is used, if the menu is a STRING
menu then the STRING global file is used.

NOTE : We recommend that you use the global menu file instead of having a
function in every menu file as this will save disk space and make it
easier for you to edit the functions at a later stage.

Click here for an

example
of a global menu file that uses HOTKEYs.

You MUST remember that each entry in a global menu counts as a menu key,
therefore you must allow for them in your CreMAX Configuration file!

1.20 An Example Of A Global Menu File

```
/*
 * CreMAX Global HOTKEYs
 */

MENUKEY...... *
MENUFUNCTION. 34
MENUFILENAME. Doors:MAXChat/MAXChatStandAlone >NIL:

MENUKEY...... /
MENUFUNCTION. 34
MENUFILENAME. Doors:KewlRAW/KewlRAW
```

1.21 Setting Up The Errors File

This configuration file allows you to change the error messages ←
that
CreMAX displays when various errros occur.

Again like the configuration files and the menu files, the errors file is
set up independently of MAX's.

Click here for an
example
of an errors file.

1.22 An Example Of An Errors File

```
/*
 * CreMAX Errors file
 */


ERRNOMENU....
 Cannot open menu file.%Z

ERRNOGLOBAL..
 Cannot open global menu file.%Z

ERRNODOOR....
 Cannot find door, check path.%Z
```

1.23   Setting Up The Plug-ins File

This configuration file allows you to set up what each menu ↩
function does.

The Plug-ins feature of CreMAX is very powerful as it lets you re-assign
any menu function number to either a Door, CLI command/script, or a
special CreMAX Plug-in of your choice.

Any menu function numbers are available from -2147483648 to +2147483647
but the following restriction apply.

· You must not use menu function 0.
· You should not use menu function 1.
· You should not use menu function 2.

By default all menu functions use CreMAX's internal emulation of the
menu function with that number.

We recommend when adding new menu fucntion numbers to use numbers between
200+, because any new menu functions we 'build into' CreMAX will use
numbers 100-200.

NOTE: Your Plug-ins file will only be used from CreMAX, if a door executes
      a menu function, then the default MAX's menu function will be run.

Click here for an
              example
               of a Plug-ins file.

1.24   An Example Of A Plug-ins File

```
              /*
 * CreMAX Plug-ins file
 */


              MENUFUNCTION.
               3

              PLUGINTYPE...
               DOOR

              PLUGINNAME...
               Doors:MAXChat/MAXChat
```

1.25   Fields In The CreMAX Configuration File

Below are the fields for the CreMAX configuration file.

MAXENTRIES... <n°>

This is the maximum number of 'keys' or 'options' per menu that you will
be able to setup in the
                menu files
                  .

Eg. MAXENTRIES... 5 - This means that you will be able to have a
                      maximum of 5 menu options per menu. If you
                      inadvertently specify more than 5 'keys' in a menu
                      file, the excess ones will be ignored. Do not
                      forget to allow for Global 'keys' as these use the
                      same memory as the normal menu 'keys'.

MAXITEMS..... <n°>

This is the maximum number of functions/commands that you will be able
to assign to each menu key. This is not currently implemented and
should be left as 1, otherwise CreMAX will allocate memory that it never
uses!

Eg. MAXITEMS..... 1 - This means that you will be able to run a maximum of
                      1 function/command after each menu option.

MAXFILECONF.. <n°>

This is the maximum number of file conferences (sections) that your BBS
contains. This is important to allow CreMAX to set up the correct amount
of memory!

Eg. MAXFILECONF.. 5 - This means that your BBS contains 5 file conferences
                      (sections), this is the value that CreMAX will use
                      when using the conferencing facilities.

MAXMSGCONF... <n°>

This is the maximum number of message conferences (sections) that your BBS
contains. This is important to allow CreMAX to set up the correct amount
of memory!

Eg. MAXMSGCONF... 5 - This means that your BBS contains 5 message
                      conferences (sections), this is the value that CreMAX
                      will use when using the conferencing facilities.

DEFLOACCESS.. <access level>

This is the default low access level CreMAX will use for the menu options
and conferences if there is not a specific low access level set in the

                menu files
                  or the conference files.

Eg. DEFLOACCESS.. 5 - This means that any user with an access of 5 or
                      higher (but not exceeding the hi access level for
                      that menu option) will be able to use that menu
                      option.

DEFHIACCESS.. <access level>

This is the default high access level CreMAX will use for the menu options
and conferences if there not a specific high access level in the

                menu files
                  or the conference files.

Eg. DEFHIACCESS.. 5 – This means that any user will have to an access level
                      lower than this value to use the menu option.

HOTKEYMENU... <file name>

This is the file name CreMAX will use for the main menu if single HOTKEYs
are selected.

Eg. HOTKEYMENU... Doors:CreMAX/MainMenu.HOT

STRINGMENU... <file name>

This is the file name CreMAX will use for the main menu if STRING entry is
selected.

Eg. STRINGMENU... Doors:CreMAX/MainMenu.STR

HOT2KEYMENU.. <file name>

This is the file name CreMAX will use for the main menu if double HOTKEYs
are selected.

Eg. HOT2KEYMENU.. Doors:CreMAX/MainMenu.HK2

FILECONFCFG.. <file name>

This is the file name CreMAX will use for the file conference decriptions.

Eg. FILECONFCFG.. Doors:CreMAX/FileConfs.CFG

MSGCONFCFG... <file Name>

This is the file name CreMAX will use for the message conference
descriptions.

Eg. MSGCONFCFG... Doors:CreMAX/MsgConfs.CFG

GLHOTKEYCFG.. <file name>

This is the file name CreMAX will use for the global menus which use
HOTKEYs.

Eg. GLHOTKEYCFG.. Doors:CreMAX/GlobalHOTKEYs.Cfg

GLSTRINGCFG.. <file name>

This is the file name CreMAX will use for the global menus which use
STRINGs.

Eg. GLSTRINGCFG.. Doors:CreMAX/GlobalSTRINGs.Cfg

```
GLHOT2KEYCFG. <file name>
```

This is the file name CreMAX will use for the global menus which use
HOT2KEYs.

Eg. GLHOT2KEYCFG. Doors:CreMAX/GlobalHOT2KEYs.Cfg

```
ERRORSCFG.... <file name>
```

This is the file name of CreMAXs errors configuration file.

Eg. ERRORSCFG.... Doors:CreMAX/CreMAXErrors.Cfg

```
KEYFILENAME.. <file name>
```

This is the file name CreMAX will use for the keyfile, if it cannot find
this file your copy of CreMAX will run as though it is unregistered!

Eg. KEYFILENAME.. Doors:CreMAX/CreMAX.Key

1.26   Fields In The Conferencing Files

Below are the fields for the conferencing files. The field names are
identical for the file and message conference files, although their
contents are obviously different.
If you want to use the default values (for hi & lo access) then just leave
out the field name completely. DO NOT just leave the contents of the
field blank.

```
CONFNUMBER... <n°>
```

This is the number of the conference and is used for Auto-Inserts.

Eg. CONFNUMBER... 5 – This means that the following details apply to
                       conference number 5.

```
CONFNAME..... <conference name>
```

This is the Name of the conference and is used for Auto-Inserts.

Eg. CONFNAME..... General PD

```
CONFLOACCESS. <access level>
```

This is the default low access level required to access this conference.
If there is not a specific low access level set CreMAX will use the
default value specified in the CreMAX configuration file.

Eg. CONFLOACCESS. 0 – This means that any user with an access of 0 or
                       higher (but not exceeding the hi access level for
                       this conference) will be able to access this
                       conference.

```
CONFHIACCESS. <access level>
```

This is the default high access level required to access this conference.
If there not a specific high access level set CreMAX will use the default
value specified in the CreMAX configuration file.

Eg. CONFHIACCESS. 5 – This means that any user will have to an access level
                    lower than 5 (but higher than the lo access level
                    for this conference) will be able to access this
                    conference.

1.27   Fields In The Menu Files

Below are the fields for the menu files. The field names are identical for
all menu files, although their contents are obviously different.
If you want to use the default values (for hi & lo access) then just leave
out the field name completely. DO NOT just leave the contents of the
field blank.

CreMAX supports the following custom Auto-Inserts. If you use any of them
must make sure that they are in UPPER case.

If %FC is specified somewhere in the MENUFILENAME. or MENUPROMPT... field
then the current file conference section number is Auto-Inserted in it's
place.

If %FCN is specified somewhere in the MENUFILENAME. or MENUPROMPT... field
then the current file conference section name is Auto-Inserted in it's
place.

If %MC is specified somewhere in the MENUFILENAME. or MENUPROMPT... field
then the current message conference section number is Auto-Inserted in it's
place.

If %MCN is specified somewhere in the MENUFILENAME. or MENUPROMPT... field
then the current message conference section name is Auto-Inserted in it's
place.

MENUTYPE..... <menu type>

This is the type of menu, either HOTKEY, STRING or HOT2KEY
Note : The case IS important and should be in capitals.

Eg. MENUTYPE..... HOTKEY

MENUTEXT..... <text>

This prints a line of text immediately, the routine that prints the text
emulates the printing of a MAX's Text Line, so all Auto-Inserts etc are
supported. To print a file instead of a line of text specify the first
character as a '<' (like in MAX's Text Lines).
You can have as many MENUTEXT fields as you like scattered throughout the
menu file.

Eg. MENUTEXT..... ^LThis is The Main Menu

MENUTEXTMAIN. <text>

This operates exactly the same as a MENUTEXT field except the LAST
MENUTEXTMAIN field found in the menu file is the text that is re-printed
whenever the menu needs to be re-drawn.

Eg. MENUTEXTMAIN. <BBS:Menus/MainMenu.ANSI

MENUPROMPT... <prompt>

This is a prompt that will appear before the cursor on the menu screen,
you are able to use all ANSI control codes supported by MAX's for colour,
positioning etc. and you can even MAX's and CreMAX's Auto-Inserts!

Eg. MENUPROMPT... The Cremlin [N%S] [#%MC:%MCN]^M[#%FC:%FCN] %k Mins.left>:

MENUKEY...... <key>

This is the key, double key or STRING that the user has to type to activate
this menu option (this is effectively the same as the 'Key' field in MAX's
Menu Editor.

Eg. MENUKEY...... P

MENUFUNCTION. <function number>

This is the menu function number to perform when the above key is pressed.
This is effectively the same as the 'Function' field in MAX's Menu Editor.

Eg. MENUFUNCTION. 1

MENUEXTRA.... <extra data>

This is effectively the same as the 'Extra' field in MAX's Menu Editor and
is used to pass extra data (such as file sections etc.) to the menu
commands.

If this value is -1 then the current file conference number is
Auto-Inserted when the key is pressed.

If this value is -2 then the current message conference number is
Auto-Inserted when the key is pressed.

Eg. MENUEXTRA.... 0

MENULOACCESS. <lo access>

This is effectively the same as the 'Lo Access' field in MAX's Menu Editor.

Eg. MENULOACCESS. 0

MENUHIACCESS. <hi access>

This is effectively the same as the 'Hi Access' field in MAX's Menu Editor.

Eg. MENUHIACCESS. 10000

CONFFUNCTION. <function number>

This will perform a special conference function before the menu function
is performed. This is used in conjunction with the CONFEXTRA.... field to
control CreMAX's conferencing facilities.

If this value is 1 then the value of CONFEXTRA.... is added to the current
file conference number.

If this value is 2 then the current file conference number is changed to
the value of CONFEXTRA....

If this value is 3 then the value of CONFEXTRA.... is added to the current
message conference number.

If this value is 4 then the current message conference number is changed to
the value of CONFEXTRA....

Eg. CONFFUNCTION. 1

CONFEXTRA.... <extra data>

This contains the extra data for the CONFFUNCTION. field.

Eg. CONFEXTRA.... 10

MENUFILENAME. <Filename/Name/Dest/Path>

This is effectively the same as the 'Filename' field of the MAX's Menu
Editor, except it supports CreMAX's extra Auto-Insert commands (see above).

Eg. MENUFILENAME.

1.28 Fields In The Errors File

Below are the fields for the errors configuration file.

ERRNOMENU.... <error text>

This is the error message that is displayed if CreMAX cannot open up the
specified menu file.

Eg. ERRNOMENU.... Cannot open menu file.%Z

ERRNOGLOBAL.. <error text>

This is the error message that is displayed if CreMAX cannot open up the
global menu file for the current menu.

Eg. ERRNOGLOBAL.. Cannot open global menu file.%Z

ERRNODOOR.... <error text>

This is the error message that is displayed if CreMAX cannot load the
specified door program.

Eg. ERRNODOOR.... Cannot find door, check path.%Z

1.29 Fields In The Plug-ins File

Below are the fields for the Plug-ins configuration file.

MENUFUNCTION. <function number>

This is the menu function number to be re-assigned.

Eg. MENUFUNCTION. 3

PLUGINTYPE... <Plug-in type>

This is the type of Plug-in to run. This should be one of the following
types.
PLUGIN – A Special CreMAX Plug-in. This is a normal door, but gets passed
         the Extra and FileName fields as command parameters.
DOOR – A normal door.
CLI   – A CLI program/script. NOTE: This feature is not yet implemented.

Eg. PLUGINTYPE... DOOR

PLUGINNAME... <file name>

This is the ath and filename to the Plug-in.

Eg. PLUGINNAME... Doors:MAXChat/MAXChat

1.30 Changed Menu Commands

Below is a list of MAX's menu functions that have changed in CreMAX along
with a list of additional functions added.

```
Function  Description          Extra      FileName
2         Goto menu            N/A        Path & Filename to new CreMAX menu
102       Goto Previous Menu   N/A        N/A
```

1.31 Additional Door Commands

Below is a list of additional DoorPort commands added to CreMAX.
This information is probably only of use to programmers.

NOTE: These commands are only available to doors run from CreMAX.

doorstring refers to the string field of your DoorMsg structure.
doordata refers to the data field of your DoorMsg structure.

```
No. Description
300 This function gets a Double Entry HOTKEY (i.e. two keys) from the User.
```

        doorstring is first outputted to the local and remote screens. Then
        a Double Entry HOTKEY are inputted from the User. If doordata == TRUE
        (i.e. NOT 0) then the user's input is echoed to the local and remote
        screens. On return doordata == 0 if the local SysOp pressed the last
        key or doordata == 1 if the remote user pressed the last key. Also
        doorstring contains the two keys pressed by the user.

302 This function allows your door to launch another door.

        doorstring is the path & filename of the door to launch.
        Note: As far as your door is concerned this function is the same as
              command 20 and no more communication with the DoorPort can occur
              after calling this function.
        At the present time, you cannot run more than one door at once, you
        can only 'chain' them together. Soon I will maintain an open count
        etc. which will allow you to run multiple doors simultaneously.

The following functions are MAX's MasterPort functions that CreMAX allows
you to access via it's extended DoorPort. They are designed for
Multi-Node BBS's and are useless on a Single node BBS.

No. Description
400 This function returns a pointer to MAX's MultiStruct structure

        doordata contains the node that you want the MultiStruct for.
        A pointer to the MultiStruct is returned in the 1st four bytes of
        doorstring.

401 This function returns the current status of a Node

        doordata contains the node you want information about. On return
        doorstring contains the user's name and doordata, their current
        operation.

402 This function sends a message to another node.

        doordata contains the node to send the message to and doorstring
        contains the message.
        MAX's first print TextLine 291 then your message then TextLine 292.

1.32 Hints & Tips

· Removing unused fields from configuration files saves on disk space and
  means that the files will be loaded faster.

·~To save on editing a number of menus later put repeated menu functions
  into the global menu key configuration files. That is what they are
  there for.

· Remember that global menu functions take up a menu entry therefore you
  must account for them in your CreMAX configuration file.

    For Example:

```
     MAXENTRIES... 15

     The menu file with the most number of menu functions contains 12
     entries, and your global menu file contains 3 entries.  With
     MAXENTRIES... set to 15 only the first two of the global entries will be
     loaded.
```

·~Remember that CreMAX Auto-Inserts, %FC, %FCN, %MC, %MCN must be in UPPER
  case.

· If you want to use the up and down conference facility then you MUST
  make sure that the sections in the conference configuration files are in
  the correct order.
  The up and down conference moves up and down the sections in the
  conference configuration files therefore if you have the sections out of
  order then the up and down will move out of order.

  For Example:

  CONFNUMBER... 1
  CONFNAME..... Private

  CONFNUMBER... 3
  CONFNAME..... General

  CONFNUMBER... 2
  CONFNAME..... Sysops

  With the above, if you are currently using section 3 and you move up a
  section you will move to section 1 not to section 2.

1.33 Reporting Bugs

              As far as we are aware CreMAX and all of its associated programs ←
                 are free
from all bugs! However it is rare that a program is released that does not
have one or two minor bugs at least.

So if you find that CreMAX or one of its associated programs has a bug
write down the situation in which the bug was found, details about the bug
(what does it do etc.), your machine specification (CPU, RAM etc.).

Send us all this information via one of the various methods outlined in

              contacting the author
                 .

1.34 Reporting Suggestions

              If you have any suggestions for additions to CreMAX or any other ←
                 piece of
software written by us do not hesitate to contact us via one of the

```
various methods in
              contacting the author
                 .
```

When sending us your suggestion please include a very detailed description
of what it is, what it does and how you would like it implemented.

However we do not guarantee that your suggestion will be implemented into
the next version of the software if at all!

1.35 Miscellaneous

CreMAX and all of its associated programs were written in 'DICE C 3.20' and
compiled on an A2000 040/28 10Mb RAM.

CreMAX's amigaguide documentation was written using Cygnus Ed 3.5, as
given away with Amiga Computing.

CreMAX and all of its associated programs have been tested and found to
have worked on the following machines;

```
A1200 68020/14  2Mb RAM 340Mb HD WB 3.0
A1200 68020/14  2Mb RAM 1.2Gb HD WB 3.1
A1200 68030/28  6Mb RAM 340Mb HD WB 3.0
A1200 68030/40 10Mb RAM 1.2Gb HD WB 3.1
A1200 68060/50 18Mb RAM 1.2Gb HD WB 3.1
A2000 68000/7   2Mb RAM 640Mb HD WB 2.04
A2000 68040/25 10Mb RAM 640Mb HD WB 2.04
```

We are unable to test CreMAX on every possible machine specification,
however we think that the range of machines it has been tested on should
cover most eventualities.

1.36 Trouble Shooting

Below is a list of problems that people have had with CreMAX and how to
solve them.

Q.
A.

1.37 Registration

```
              Registration entitles you to free updates and technical support,  ←
                 as well
```
as being able to request features that you would like to see implemented.

The type of registration you choose only limits you to the number of
remote users than access CreMAX at any one time.

To register a Single Node version fill in the form below and send it along
with £5 (sterling) to me at one of the addresses in
            Contacting The Author
               .

To register a Multi Node version fill in the form below and send it along
with £10 (sterling) to me at one of the addresses in
            Contacting The Author
               .

Only English pounds and cheques drawn on a UK bank can be accepted.

Make all cheques payable to B.Jenkins.

Your keyfile can be collected from The Cremlin BBS.

                     Name: _____

                  Address: _____

                           _____

                           _____

                           _____

                Post Code: _____

                  Country: _____

         Telephone Number: _____

              BBS Details: _____

           Computer Setup: _____

                           _____

                           _____

    Type Of Registration: [ ] Single Node (£5)
                          [ ] Multi Node (£10)

              Suggestions: _____

                           _____

                           _____

                           _____

                           _____

                           _____

_____

1.38   Distribution

Neither fees may be charged nor profits may be made by distributing this
piece of software. Only a nominal fee for costs of magnetic media may
be accepted, the amount of US $5 shouldn't be exceeded for a disk
containing CreMAX. CD Manufactures are specifically granted the right to
include this program on CD collections, as long as they are for the Public
Domain.

But the user still has to pay the Shareware fee!

1.39   Authors/Beta Testers

Authors;
CreMAX and all of its associated programs were coded by Ghandi
Amigaguide documentation written by /\/\uffin

Beta Testers;
Chris Hearn
All the users of The Cremlin BBS

Greetings and thank you to the following:

Niki Murkett - For the extended MAX's doorport stuff.
Matt Dillon - For DICE and FIFO:

1.40   Contacting The Author

                  For
                 bug reports
                  or
                 suggestions
                  contact Ghandi at,

   BBS : The Cremlin BBS +44 (0)121 321 3449, 24 Hours!

 S-Mail : Ghandi
          86 Antrobus Road
          Boldmere
          Sutton Coldfield
          West Midlands
          B73 5EL
          ENGLAND

   Tel : +44 (0)121 355 6521

E-Mail : Ghandi@thecremlin.demon.co.uk

1.41 © Copyrights

Below are the various © copyrights for other items/programs mentioned
within this amigaguide.

```
·~/X (Ami Express)  - © Lightspeed Technologies
·~Amiga Computing   - © 1997 Europress Enterprise
· Amigaguide        - © 1993 Commdore-Amiga Inc
· Cygnus Ed 3.5     - © 1987-1993 Cygnus Software
·~DD (Day Dream)    - ©
·~DICE C 3.20       - © Matt Dillon & Obvious Implementations
· Installer         - © 1996 Escom AG
· Magic File        - ©
· MAX's BBS         - © 1994 Anthony Barrett
· MAX's Pro         - © 1996-1997 Niki Murkett
· MAX's RIP         - © 1996-1997 Niki Murkett
·~Paragon           - ©
·~StarNET           - ©
·~UltraWall         - © 1997 David Hodge
· KewlRAW           - ©
· MAXChat           - © 1992 Edward Lawford
```

1.42 Future Additions

Below are listed some of the additions to CreMAX that will be included in
the next version. These additions will only be available to registered
users!

· Users can choose which menu type (HOTKEYs or STRING entry) that they
  prefer to use.
· XPR library support & Hydra/S-Modem support.
· Possibly ARexx menus/ARexx doors.
· Support for other door systems (/X, stdio doors etc..).
· The ability to do more than one operation per menu key.
· A 'built-in' shell, which is a proper shell not the MAX's emulated
  shell. Will allow the running of scripts and stdio doors.
·~Menu Editor.

1.43 Revision History

-[Changes From Release 1.1 - Release 1.2]-[02/04/1997]--------------------

· CreMAX door size: 23392 bytes.
· Compiled with DICE 3.20 on a A2000/040/28Mhz with 10Mb RAM.
· Fixed a MAJOR bug introduced in v1.1 where the extra field would be
  ignored if an Auto-Insert wasn't used. This meant any menu commands
  that used the extra field would not run.

–[Changes From Release 1.0 Gamma – Release 1.1]–[01/04/1997]---------------

· CreMAX door size: 23404 bytes.
· Compiled with DICE 3.20 on a A2000/040/28Mhz with 10Mb RAM.
· Compiled using VMake so revisions etc. are handled automatically.
· Added field ERRORSCFG.... to CreMAX configuration file to allow SysOps
  to configure CreMAX's error messages. Also added CreMAXErrors
  configuration file.
  Errors support all MAX's Auto-Inserts & CreMAX Auto-Inserts
· CreMAX now supports MAX's Pro doors.
· Added Plug-in interface and fields PLUGINSCFG... and MAXPLUGINS... to
  CreMAX configuration file in order to allow SysOps to call the
  configuration file what they like. Also added Plug-ins configuration
  file.
· Made it so that if a door tries to run a menu function then it runs the
  internal CreMAX version of that menu function, instead of the MAX's
  version. This fixes a problem where if a door logged a user off, then
  CreMAX and that door would never quit.
· Made it so that the extra field of a menu key is set to 0 if it's not
  specified, before it was set to the previous keys extra field.
· Made it so if the MainMenu cannot be loaded, then the user is logged off
  and CreMAX quits. Before CreMAX would just 'linger' waiting for input.
· Various minor optimisations, including:
  · Put the CreMAX Auto-Insert code into a function.
  · Put the code that strips a LF from a string into a function.
  · Re-coded the way CreMAX recognises the 'keywords' in it's configuration
    files.

–[Changes From Release 1.0 Beta – Release 1.0 Gamma]–[24/03/1997]----------

· CreMAX door size: 23296 bytes.
· Compiled with DICE 3.01 on a A1200/030/28Mhz with 6Mb RAM.
· Local SysOp keypresses now override lo & hi access levels for all menus.
  (Currently only works on HOTKEY and HOT2KEY menus).
· Conference configuration files are now loaded.
· Modularised some code to make updating easier & simpler to put major
  calls into a library later.
· Goto Conference functions now use conference configuration files and have
  proper checking to see if the conference number is valid. If it is not
  then the conference remains the same.
· Added support for Global menu keys
· Added the fields GLHOTKEYCFG.., GLSTRINGCFG.., GLHOT2KEYCFG. to the
  CreMAX configuration file, for global HOTKEY configuration files.
· Added support for the Global menu keys configuration files. They are the
  same as a normal menu file without the fields MENUTYPE.....,
  MENUTEXT....., MENUTEXTMAIN., MENUPROMPT...
· Added HOT2KEY menu support.
· Added checking code so that if more menu keys are specified in a menu
  file than the maximum specified in the CreMAX configuratiion file, then
  the additional keys are ignored.
· Added keyfile support so users can register :-). The CreMAX door now
  looks to see if another remote copy of CreMAX is loaded and reports an
  error if the user is not using a Multi-Node version.
· Added unregistered message and 5 second delay for unregistered users. I
  may take off the delay for local logins.
· Fixed bug where Auto-Insertion of message conferences actually
  Auto-Inserted file conferences.

- Added field MENUPROMPT... to menu files, for better /X style look & feel. MENUPROMPT... supports the same Auto-Inserts as the Filename field of the menu files.
- Added Auto-Inserts %MCN & %FCN (for Message Conference Name & File Conference Name) to Filename field of menu keys and MENUPROMPT... field of menu files.
- Added field KEYFILENAME.. to CreMAX configuration file, for the path and filename of your CreMAX keyfile. Enables SysOps to call and store their keyfile what/where they like.
- Altered memory allocation routines so rather that making lots of small allocations for the menus, conferences etc. one large one is made and then offsets are used to locate the various structures within the memory block. This reduces memory fragmentation and makes the executable slightly smaller (236 bytes). However it means that CreMAX requires a larger contiguous block of memory than before, but as CreMAX's memory requirements are small (and SysOp configurable) this shouldn't be much of a problem.
- ~Added proper version string to the CreMAX door executable.
- Fixed a bug in the door emulation code, where it would keep some doors waiting forever when they tried to quit.
- Added the following new door command numbers.
  300 - PromptHOT2KEY.
  302 - LaunchDoor.
  400 - GetMultiStruct.
  401 - GetNodeStatus.
  402 - DoorNodeNotify.
- Added additional menu function number 102 - GotoPreviousMenu. This will take you to the previous menu. NOTE: It does not store a history of previous menus, it only store the LAST menu you were at, so if you do not use it wisely you could find yourself in a 'loop' between two menus.
- Various minor optimisations, including minor optimizations to any text displayed. The messages displayed when initializing are more helpful (they actually display the filename that CreMAX is trying to load) and longer, yet the CreMAX door executable is smaller. :-)

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