TTManager

Jody Tierney

COLLABORATORS

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TTManager

1.1 TTManger Documentation

```
  TTManager  v3.3
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Requirements        They're few.
Installation        Nothing to it.


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The AppMenu
The AppIcon
The AppWindows
The GUI
The Menus
Keyboard Shortcuts
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Localization
To Do               Today the ToolTypes; tomorrow the world!
History             Once upon a time...

Credits             Many thanks to...
The Author          Hey, that's me!
```

1.2 TTManager: What Is It?

```
Introduction:
  TTManager began as an attempt to improve upon the tooltype editing features
offered by Workbench's standard icon information requester.  With version 2.0
it's become a complete alternative to the information requester, allowing the
```

user to not only manipulate tooltypes, but also the protection bits (supports
MultiUser File System), file comment, icon type, and more. ...And all this
with an easy to use, resizable, font-sensitive, localized, GadTools GUI.

Features:
  * Font-sensitive, resizable, style guide compliant GadTools GUI.
  * AppIcon and AppWindows for drag & drop convenience.
  * Adds itself to Workbench's Tools menu (AppMenu item).
  * It's a Commodity.
  * It's localized. Includes catalogs for the following languages:
    - French,
    - German,
    - Greek,
    - Polish.
  * Button-bar with the following tooltype-editing features:
    - Add.
    - Toggle.
    - Delete.
    - Move.
    - Duplicate.
    - Cut to Clipboard.
    - Copy to Clipboard.
    - Paste from Clipboard.
    - Clear Clipboard contents.
  * Load tooltypes from ".info" or ASCII files in the following ways:
    - Replace.
    - Append.
    - Only new.
    - Only existing.
  * Tooltypes may be saved to an ASCII text file.
  * Three multiple-deletion options:
    - All.
    - Current to top.
    - Current to end.
  * Multiple undo/redo.
  * Sort and reverse options.
  * Enable, disable, or toggle all tooltypes at once.
  * Clipboard support - Cut, Copy, and Paste to/from units 0-9.
  * Set the:
    - Icon type (tool, project, drawer, disk, or garbage).
    - Stack.
    - Default tool - Featuring a user-definable menu for quicky setting
                    often-used tools.
    - Comment.
    - Protection bits - Including MultiUser File System's.
  * Rename an icon and its associated file, drawer, or volume.
  * View volume information:
    - Format (OFS, FFS, OFS International, or FFS International)
    - Read only, or readable and writable.
    - Block size.
    - Total amount of space (bytes and blocks) on the volume.
    - Used space (bytes, blocks, and a percentage gauge).
    - Free space (bytes and blocks).
  * Icon image display.
  * ARexx port.

* It's fully functional, and free (well, Giftware).

1.3 TTManager: Requirements

Required:
  - Workbench 2.04 or higher.
  - Workbench 2.1 or above is needed for localization (locale.library v38).

Recommended:
  - Cycle To Menu or MCP - Drop-down menus for cycle gadgets.
  - New Edit, MCP, or MultiCX - Clipboard support and better editing for string
                               gadgets.

1.4 TTManager: Legal Issues

Copyright:
  TTManager is copyright ©1996-98, Jody J. Tierney. All rights reserved.
...Lefts, ups, downs, and all other directions, dimensions, and orientations
are also reserved (that ought to cover things :-)).

  TTManager is Giftware. If you find it useful consider sending a little
something (or even a big something :-)) my way.

Distribution:
  TTManager is freely distributable in it's original form by any means you care
to employ (FTP sites, BBSes, CD-ROMs and coverdisks (I'd appreciate a copy),
carrier pigeons, holocubes, etc.). The only restriction (but it's an important
one) is that no fee, beyond a nominal charge to cover media and copying, which
is not to exceed $4 US, is attached.

  TTManager may not be included with any commercial product without written
permission from the author.

  Special permission is granted to include TTManager on the Aminet CD-ROMs and
Fred Fish's disks and CD-ROMs.

Disclaimer:
  No warranties, expressed or implied. Use this program at your own risk.
Although much effort has been, and continues to be, put into this program to
ensure safe and stable operation, I take no responsibility for any damages
and/or losses incurred through the use/misuse of this program.

1.5 TTManager: Installation

Installation:
  Place TTManager anywhere you'd like (well, not there! :-)).

```
The following files should be in the archive:
File                      Description:
TTManager/
  Catalogs/
    deutsch/
      ttmanager.catalog   - German language catalog for TTManager.
                            Created by Gerald Schnabel.
    français/
      ttmanager.catalog   - French language catalog for TTManager.
                            Created by Frederic Delacroix.
    greek/
      ttmanager.catalog   - Greek language catalog for TTManager.
                            Created by Vellis Alexandros.
    polski/
      ttmanager.catalog   - Polish language catalog for TTManager.
                            Created by Lukasz Jodlowski.

    ttmanager.cd          - Catalog description file; used to generate foreign
                            language catalogs for TTManager.
    ttmanager_blank.ct    - A blank translation file.
  Rexx/
    TTMLoadIcon.rexx      - Open TTManager windows from the CLI or from
                            directory utilities.

  TTManager               - TTManager itself, the main program.
  TTManager.info          - TTManager's trusty iconic companion.

  TTManager.guide         - The very file you're reading now.
  TTManager.guide.info    - The documentation's ever-faithful sidekick.
TTManager.info


Notes:
  - The catalog files from TTManager 2.x will not work with version 3.x.

  - The ARexx script(s) have usage instructions at the top of the file.
    Simply view them with a text reader.
```

1.6 TTManager: Startup Options

```
Startup Options:
  The following options may be used as ToolTypes or CLI arguments.  All are
optional.

Keyword           CLI Shortcut  Argument         Default Setting
LEFTEDGE          X             0 - 65535        0
TOPEDGE           Y             0 - 65535        0
WIDTH             W             0 - 65535        0
HEIGHT            H             0 - 65535        0
CASCADEX          CSCX          +/- 0-65535      0
CASCADEY          CSCY          +/- 0-65535      0
FONT              F             Font name.       Default screen font.
FONTSIZE          FS            Point size.      Default screen font size.
APPICON           AI            Icon name.       No name - use internal image.
```

```
APPICONX           AIX        0 - 65535        None - Workbench places it.
APPICONY           AIY        0 - 65535        None - Workbench places it.
NOAPPICON          NAI        None.            An AppIcon appears.
ICONDISPLAYWIDTH   IDW        0-65535          0
ICONDISPLAYHEIGHT  IDH        0-65535          0
PAGE               P          Keyword.         TOOLTYPES
LOADMODE           LM         Keyword.         REPLACE
LOADTYPE           LT         keyword.         ICON
MAXUNDO            MU         0 - 2 billion    10
ONLYICONSINFREQ    OI         None.            "#?" is the default pattern.
VOLPAGEONDISK      VPOD       None.            The page isn't switched.
MOVEIFNEWVOL       MNV        None.            The original file is untouched.
CLOSEAFTERSAVE     CAS        None.            Windows remain open.
NOWARNINGS         NW         None.            Warning requesters appear.
NOICONS            NI         None.            Save As ASCII creates an icon.
CX_PRIORITY        CXPRI      -128 - 127       0
HOTKEY             KEY        Key sequence.    <RAmiga> <Shift> i
DEFAULTTOOLMENU    DTM        Text.            None.
```

1.7 TTManager: Window Position Keywords

```
Window Position Keywords:

X, LEFTEDGE <0 - 65535>
Y, TOPEDGE  <0 - 65535>
```

   These two keywords set the initial position TTManager's windows will open at.

```
Default: 0.
```

1.8 TTManager: Window Dimension Keywords

```
Window Dimension Keywords:

W, WIDTH  <0 - 65535>
H, HEIGHT <0 - 65535>
```

   These two keywords set the dimensions TTManager's windows will initially open
to. TTManager may adjust these values to fit the screen size and the minimum
space required to create the GUI.

```
Default:  0 (Smallest possible size).
```

1.9 TTManager: Window Tiling Keywords

```
Window Tiling Keywords:

CSCX, CASCADEX <-65535 - 65535>
```

```
CSCY, CASCADEY <-65535 - 65535>
```

   These keywords specify an offset (possibly negative) to be added to a
window's initial postition (LEFTEDGE and TOPEDGE).

```
Example:
  Tooltypes:  LEFTEDGE=0, TOPEDGE=5, CASCADEX=5, CASCADEY=10
  Window positions:  1st window:   0, 5
                     2nd window:   5, 15
                     3rd window:  10, 25
                     ...and so on.
```

   When all windows have been closed, the coordinates will reset to the
beginning LEFTEDGE and TOPEDGE values (0, 5 in the above example).


```
Default:  0 (No tiling).
```


1.10   TTManager: Font Keywords


```
Font Keywords:
```

```
F, FONT <font name>
```

   Font to use in TTMamager's window. It isn't necessary to supply the ".font"
extension.


```
FS, FONTSIZE <point size>
```

   What size the font specified by FONT should be.


```
Note:  In order to use a custom font, both FONT and FONTSIZE must be specified.
```


```
Default:  Default screen font.
```


1.11   TTManger: AppIcon Keyword


```
AppIcon Keyword:
```

```
AI, APPICON <icon name>
```

   Use <icon name>'s image instead of TTManager's default AppIcon image. It
isn't necessary to supply the ".info" extension.


```
AIX, APPICONX <0 - 65535>
AIY, APPICONY <0 - 65535>
```

   These two keywords specify the location of the AppIcon on the Workbench

screen. Note that the vertical (Y) position "0" is just below the screen's
title bar.

NAI, NOAPPICON

  If specified, TTManager will not create an AppIcon.

Default: Create an AppIcon using the built-in image, and allow
Workbench to determine its position.

1.12 TTManager: Icon Display Dimension Keywords

Icon Display Dimension Keywords:

IDW, ICONDISPLAYWIDTH <0 - 65535>
IDH, ICONDISPLAYHEIGHT <0 - 65535>

  These keyowrds set the dimensions of the icon display area, in the upper
left corner of the GUI.

Note:
  It's safe to use values which are too small or too large. These will
automatically be adjusted as necessary.
  - The minimum width (currently) is 60 pixels.
  - The maximum width is limited by the width of the screen, and the amount of
   space required by the gadgets to the right of the icon display.

  - The minimum height is twice the height of a string gadget plus a little
   extra (currently 4 pixels), and thus varies with the size of the font used.
  - The maximum height is limited by the screen's height, and the amount of
   vertical space required by the rest of the GUI.

Default: 0 (Smallest possible size).

1.13 TTManager: Page Keyword

Page Keyword:

P, Page <page>

  Which page is initially active when a TTManager window is opened.
<page> is either VOLUMEINFO,
                INFORMATION, or
                TOOLTYPES.

Default: TOOLTYPES

1.14   TTManager: Load Mode Keyword

```
Load Mode Keyword:

LM, LOADMODE <mode>
```

  Which load mode is initially active when a TTManager window is opened.
<mode> is one of the following: REPLACE,
                                 APPEND,
                                 NEW, or
                                 EXISTING.


```
Default:  REPLACE
```

1.15   TTManager: Load Type Keyword

```
Load Type Keyword:

LT, LOADTYPE <type>
```

  Which load type is initially active when a TTManager window is opened.
  <type> is either: ICON or
                     ASCII.


```
Default:  ICON
```

1.16   TTManager: Maximum Undo Levels Keyword

```
Maximum Undo Levels Keyword:

MU, MAXUNDO <0 - 2 billion>
```

  How many operations TTManager remembers, and may undo. Setting MAXUNDO to
"0" disables the undo system (don't do this; I spent a lot of time on the undo
routines - use 'em! :-)).


```
Default:  10
```

1.17   TTManager: Only Icons In File Requester Keyword

```
Only Icons In File Requester Keyword:

OI, ONLIICONSINFREQ
```

  If specified, a file requester's default pattern will be "#?.info", thus
only displaying icons and directories.

Default: The file requester's default pattern is "#?" (all files).

1.18   TTManager: Volume Page On Disk Keyword

Volume Page On Disk Keyword:

VPOD, VOLPAGEONDISK

  If this keyword is specified, TTManager will open to the Volume Information
page whenever a disk icon is loaded.

  This option may also be enabled or disabled by the Volume Page On Disk menu
option.

Default: TTManager always opens to the default page (set by the PAGE
        keyword).

1.19   TTManager: Move If New Volume Keyword

Move If New Volume Keyword:

MNV, MOVEIFNEWVOL

  This option controls TTManager's renaming behavior when a different volume is
involved. If this option is in effect, then a file will be copied to the new
volume, and the original will be deleted.

  This option may also be enabled or disabled by the Move If New Volume menu
option.

Default: A copy is performed, and the original file is left unchanged.

1.20   TTManager: Close After Save Keyword

Close After Save Keyword:

CAS, CLOSEAFTERSAVE

  If this keyword is specified, the TTManager window will be closed after a
Save operation.

  This option may also be enabled or disabled by the Close After Save menu
option.

Default: TTManager's windows remain open after saving.

1.21   TTManager: No Warnings Keyword

```
No Warnings Keyword:
```

```
NW, NOWARNINGS
```

   If specified, "Are you sure?" requesters and the like are supressed.

   This option may also be enabled or disabled by the No Warnings menu
option.


```
Default:  Warning requesters are enabled.
```


1.22   TTManager: No Icons Keyword

```
No Icons Keyword:
```

```
NI, NOICONS
```

   Does this option seem a bit strange in an icon manipulation program? :-)
It's used by the Save As ASCII menu option – whether or not the text file
will have an icon.

   This option may also be enabled or disabled by the Create Icons menu
option.


```
Default:  Create icons.
```


1.23   TTManager: Commodity Priority Keyword

```
Commodity Priority Keyword:
```

```
CXPRI, CX_PRIORITY <-128 - 127>
```

   Sets TTManager's priority as a Commodity.


```
Default:  0
```


1.24   TTManager: Hotkey Keyword

```
Hotkey Keyword:
```

```
KEY, HOTKEY <key sequence>
```

   When the hotkey is pressed TTManager opens a file requester allowing you to
 select icon(s) to edit.

```
 The default hotkey combination is "rcommand shift i"
 (the right Amiga key, either shift key, and "i").



Default:  rcommand shift i
        (The right Amiga key, either shift key, and "i".)
```

1.25 TTManager: Default Tool Menu Entry Keyword

```
Default Tool Menu Entry Keyword:

DTM, DEFAULTTOOLMENU <text>

  The DEFAULTTOOLMENU keyword adds items to TTManager's Default Tool menu.
When one of these user-defined menu items is selected, the icon's default tool
will be replaced with the menu's text.

  Up to 61 items may be added to the Default Tool menu.  The method for adding
the items depends on whether TTManager is started from Workbench or a CLI.
When starting from an icon (Workbench), use multiple DEFAULTTOOLMENU tooltypes
to set up the menu.  For example:
  DEFAULTTOOLMENU=C:IconX
  DEFAULTTOOLMENU=C:XIcon
  DEFAULTTOOLMENU=SYS:Utilities/Multiview
  DEFAULTTOOLMENU=SYS:Utilities/xMore
  DEFAULTTOOLMENU=SYS:RexxC/RX
  (...and so on.)

When starting TTManager fom a CLI, just issue the DEFAULTTOOLMENU keyword and
the items you want in the menu, seperated by a space.  Example:
  DTM C:IconX C:XIcon SYS:Utilities/xMore (...and so on.)
```

1.26 TTManager: The Commodity Interface

```
Commodity Control:
  TTManager responds to the following commands from the Commodities Exchange:

  Show Interface:
    This will open TTManager's About requester with three options:
      Okay - This simply closes the requester.
      Open - Opens a file requester; a new window will be opened for each file
             selected.
      Quit - Quits TTManager.

      This requester will also appear whenever an attempt to start a second
    TTManager is made.

  Hide Interface:
    Closes all open TTManager windows.

  Active/Inactive:
```

When TTManager is in an active state, the hotkey may be used to invoke a
file requester and open icons for editing.

Remove:
  Quits TTManager. If Warnings are enabled, you will recieve an "Are you
sure?" requester.

Hotkey:
  TTManager has a hotkey, specified by the HOTKEY startup option. When this
key sequence (rcommand shift i by default) is recieved TTManager opens a file
requester, allowing icons to be selected for editing.

1.27   TTManager: Input Qualifiers

Qualifiers:
  The following qualifiers may be used when specifing a hotkey. Those marked
with an asterisk ("*") require version 38 of the commodities.library
(Workbench 2.1).


```
shift               - Either shift key.
lshift, left_shift *  - Left shift key.
rshift, right_shift * - Right shift key.

caps                - Caps lock key or either shift key.
capslock, caps_lock * - Caps lock key.

control, ctrl * - Control key.

alt               - Either alt key.
lalt, left_alt *  - Left alt key.
ralt, right_alt * - Right alt key.

numericpad, numpad *, num_pad *, numeric_pad * - A key on the numeric keypad.

lcommand, left_command *, lamiga *, left_amiga * - Left Amiga key.
rcommand, right_command *, ramiga *, right_amiga * - Right Amiga key.

leftbutton, lbutton *, left_button * - Left mouse button.
midbutton, mbutton *, middlebutton *, middle_button * - Middle mouse button.
rightbutton, rbutton *, right_button * - Left mouse button.
```


1.28   TTManager: The AppMenu

TTManager AppMenu Item:

  Tools
      :
  TTManager
      :

TTManager adds an item (creatively named "TTManager") to Workbench's Tools
menu. What happens when this item is selected depends on whether any icons
are also selected.

TTManager Menu Item and No Icons Selected:
  TTManager will open an information requester with three options:
  Okay - This simply closes the requester.

  Open - Opens a file requester; a new window will be opened for each file
        selected.

  Quit - Quits TTManager.

TTManager Menu Item and No Icons Selected:
  TTManager will open a window for each selected icon.

1.29   TTManager: The AppIcon

TTManager AppIcon:
  TTManager's Appicon may have icons dropped onto it, and may also be
double-clicked.

Dropping Icons:
  Dropping icons onto TTManager's AppIcon will open a window where the icon's
tooltypes may be edited.

Double-Clicking:
  Double-clicking TTManager's AppIcon will open an information requester with
three options:
  Okay - This simply closes the requester.

  Open - Opens a file requester; a new window will be opened for each file
        selected.

  Quit - Quits TTManager.

1.30   TTManager: The AppWindows

TTManager AppWindows:
  TTManager's windows are AppWindows; icons may be dropped into them. What
happens next depends on which page is currently active.

  bToolType Page:ub
    The tooltypes of the selected icon(s) will replace or be appended to the
  current tooltype list. The specific action depends on the current settings
  of the Load Mode and From Type cycle gadgets.

  bFile Information Page:ub
    No action is performed (This will change in v3.4).

```
  bVolume Information Page:ub
    No action is performed.
```

1.31   TTManager: The GUI

```
TTManager's Window:
  TTManager may have 25 windows open at once.  They resemble the following:


Volume Information Page:
    |o| TTManager v3.3                          |' |[]|
     +------+ File: System3.0:WBStartup/TTManager
     |<Icon>| Type: @| Tool           Undo   Redo
     +------+
      ----------- @|Volume Information -----------
     |Type: FFS  - Readable/Writable            |
     |                                          |
     |       Blocks:            Bytes: 512/block |
     |Total: 163294            83606528         |
     | Free: 124745            63869440         |
     | Used: 38549             19737088         |
     | _____  |
     ||                 23% full             ||
     | ---------------------------------------- |
     |                                          |
      ------------------------------------------
        Save          Save As...      Cancel __
                                             |/


File Information Page:
    |o| TTManager v3.3                          |' |[]|
     +------+ File: System3.0:WBStartup/TTManager
     |<Icon>| Type: @| Tool           Undo   Redo
     +------+
      ----------- @|  Information     -----------
     |       Size: 69988 bytes - 137 blocks     |
     |    Last Modified:  04-Jul-97 - 12:12:47    |
     |Stack: 4096    Default Tool:              |
     |Comment:                                  |
     |                                          |
     | * Standard  ./ Readable        Script |
     |   Group     ./ Writable        Pure   |
     |   Other     ./ Executable    ./ Archived|
     |             ./ Deletable       User   |
     |                                          |
      ------------------------------------------
        Save          Save As...      Cancel __
                                             |/


ToolType Page:
    |o| TTManager v3.3                          |' |[]|
     +------+ File: System3.0:WBStartup/TTManager
     |<Icon>| Type: @| Tool           Undo   Redo
```

```
    +------+
     ----------- @|    ToolTypes      -----------
    | Load...: @| Replace All  From: @| Icon    |
    | ------------------------------------------- |
    |LEFTEDGE=10
 |
    |TOPEDGE=10                                  ##|
    |FONT=Helvetica                              ##|
    |FONTSIZE=13
^|
    |APPICON=SYS:WBStartup/TTManager
v|
    | ------------------------------------------- |
    |FONTSIZE=13                                 |
    |+
(/)
()
(=
I>H
8xM
->M
<-M
0M                |
    ---------------------------------------------
     Save            Save As...           Cancel __
                                                 |/
```

1.32 TTManager Window - Global Gadgets: Filename Gadget

File Name Gadget:
  Use this gadget to rename the icon currently being edited. If no data is
entered, the name is unchanged.

  Renaming takes effect when the icon is saved. If Move If New Volume is
enabled then the original file will be deleted, otherwise it's left unchanged.

Keyboard Shortcut: I (activates the string gadget.)

Notes:
  * Renaming affects the icon and the file the icon is associated with.
    For example, renaming "DPaintIV" to "DPaint4.6" means both "DPaintIV.info"
    and "DPaintIV" will be renamed.

  * The underlying file is only renamed if the icon type hasn't been changed.
    It makes no sense to rename a drawer, for example, if the icon has been
    changed to a tool. In cases such as this, the icon is saved using the
    new name and the original file/drawer/disk name and icon are unchanged.

  * Disks are renamed (relabeled) only if both the original and new names are:
   <Volume name>:Disk.

1.33   TTManager Window - Global Gadgets: Icon Type Cycle Gadget

```
Icon Type Cycle Gadget:
  This gadget diaplays the type of icon currently being edited.  It may also
be used to change the icon's type.

  The types of icons are:  Disk,
                           Drawer,
                           Tool,
                           Project, and
                           Trash.
```

1.34   TTManager Window - Global Gadgets: Undo & Redo Buttons

```
Undo Button:
  Clicking undo undoes the last operation.  The number of operations which may
be undone is set by the MAXUNDO tooltype or CLI option (the default is 10).

Keyboard Shortcut:  U (performs an undo.)


Redo Button:
  Redo undoes an undo.  :-)

Keyboard Shortcut:  R (performs a redo.)


Note:  Nearly any operation may be undone.  Following is a list of the (few)
actions which cannot be undone:
  * Save
  * The New and Open menu options.
  * Closing the window.
  * Quitting TTManager.
```

1.35   TTManager Window - Global Gadgets: Page Cycle Gadget

```
Page Cycle Gadget:
  This gadget flips through TTManager's pages:
  Volume Information - Information about the volume's size and format.
  Information        - File information:  size, last modified, stack size,
                         default tool, comment, and protection bits.
  ToolTypes          - Tooltype editing/manipulating.


  You can go to the last page to see how it all ends.  :-)


  The initial position of this gadget may be set at start-up by the PAGE
keyword.  Also, the Volume Information page can be made to be displayed
whenever a disk icon is loaded by setting the Volume Page On Disk option.

Keyboard Shortcut:  p (cycles forwards through the pages.)
                    P (cycles backwards through the pages.)
```

                              (Cycling is a non-polluting mode of transport.)

1.36   TTManager Window - Global Gadgets: To Save, Or Not To Save...

Save Button:
  Saves the icon using the path and name displayed in the window's title bar
and file name string gadget.

  If the Close After Save menu option is set the window will then close itself.

Keyboard Shortcut: S (performs a save.)

Save As Button:
  Opens a requester allowing the icon to be saved under a new name. The
original ".info" file is unchanged.

Keyboard Shortcut: A (opens a file requester.)

Cancel Button:
  Closes the window without saving anything.

Keyboard Shortcut: C (closes the window.)

1.37   TTManager Window - Volume Information Page: Volume Type

Volume Information Page:

Disk Type Display:
  This gadget displays the type of disk loaded, and whether it can be written
to.

  Disk Types: OFS   - Old File System.
               OFS Int. - Old File System, international mode.
               FFS   - Fast File System.
               FFS Int. - Fast File System, international mode.

               Read Only   - The disk is write protected, or read only.
               Readable/Writable - The disk can be written to.

1.38   TTManager Window - Volume Information Page: Bytes/Block

Volume Information Page:

Bytes per Block Display:
  Displays how many bytes make up one block.

1.39   TTManager Window - Volume Information Page: Disk Space

Volume Information Page:

Disk Space Displays:
  These gadgets display the total amount of space, both in blocks and bytes,
on a disk, and the amount free and used. There is also a gauge showing the
percentage of space in use.

1.40   TTManager Window - Information Page: Stack Gadget

Information Page:

Stack Gadget:
  This gadget allows you to set the tool's (or default tool's) stack. The
stack is an amount of memory reserved for temporary storage. A stack size of
"0" means the default stack size will be used (currently 4096 bytes).

  This gadget is enabled for tool, project, and disk icon types, and disabled
for drawers.

Keyboard Shortcut: K (activates the integer gadget.)

1.41   TTManager Window - Information Page: Default Tool Gadget

Information Page:

Default Tool String Gadget:
  This gadget allows you to set the project's or disk's default tool. This
program will be run when the project icon is double-clicked, or when this disk
is dropped onto another disk icon.

  This gadget is enabled for project and disk icon types, and disabled for
tools and drawers.

Keyboard Shortcut: T (activates the string gadget.)

1.42   TTManager Window - Information Page: Comment Gadget

Information Page:

Comment String Gadget:
  Tools, projects, and drawers may have an 80 character comment attached to
them.

Keyboard Shortcut: O (activates the string gadget.)

Note: The comment is actually stored along with a file, not in the icon, so
the comment will be lost if no file exists when the icon is saved.

1.43   TTManager Window - Information Page: Protection Bit Gadgets

Information Page:

Protection Group Gadget:
  Selects which group of protectipn bits to display/edit. "Group" and "Other"
are for use with MultiUser File System.

  Standard - Set the standard AmigaDOS protection bits (and MuFS's User bit).
  Group   - Set protection bits (R, W, E, D) for users in the owner's group.
  Other   - Set protection bits (R, W, E, D) for users not in the owner's
            group.

Protection Bit Checkbox Gadgets:
  These checkbox gadgets are used to set the various AmigaDOS and MultiUser
protection bits.

  Readable   - The file may be read. Tools, projects, and drawers.
  Writable   - The file may be written to. Tools, projects, and drawers.
  Executable - The file may be executed. Tools only.
  Deletable - The file may be deleted. Tools, projects, and drawers.
  Script   - The file is an AmigaDOS script and may be run without having
               to issue the Execute command. Projects only.
  Pure   - The file is pure and may be made resident. Tools only.
  Archived   - The file has been backed up. Tools, projects, and drawers.
  User   - Used by MultiUser File System.

Note: Protection bits are actually stored along with a file, not in the icon,
so the protection bits will be lost if no file exists when the icon is saved.

1.44   TTManager Window - ToolType Page: ToolType Loading Gadgets

ToolType Page:

Load Button:
  Pops up a file requester allowing you to add tooltypes from another icon(s)
 to the one currently being edited. The exact way the tooltypes are loaded in
 depends on how the Load Mode and From Type cycle gadgets are set.

Keyboard Shortcut: L (opens a file requester.)

Load Mode Cycle Gadget:
  Replace All - The old tooltypes are replaced by the new ones.

  Append All - The new tooltypes are appended to the end of the tooltype list.

  Only New - Each new tooltype is checked against the current list of
             tooltypes, and added to the end of the list if no match is found.

  Only Existing - Similar to Only New, except that if a match is found the
                  new tooltype replaces the old one. The new tooltype is

```
                       discarded if it isn't already in the list.

Keyboard Shortcut:  m (cycles forwards through the possible modes.)
                    M (cycles backwards through the possible modes.)
                      (Cycling is an excellent form of exercise.)


From Type Cycle Gadget:
  This selectes whether the new tooltypes are to come from an ".info" file, or
 an ASCII text file.

Keyboard Shortcut:  f (cycles forwards through the possible types.)
                    F (cycles backwards through the possible types.)
                      (Always wear a helmet while cycling.)


Note:
  * The load modes Only New and Only Existing compare the tooltype's
   keyword.  Given the tooltype "(LEFTEDGE=360)", these modes are looking for
   a match to "LEFTEDGE" (the keyword's value (if any) and whether it's
   enabled or disabled is ignorred).

  * TTManager's windows are AppWindows.  Icon(s) may be dropped into the
   window, and the appropriate action (determined by the Load Mode and From
   Type cycle gagdets) will be performed.

  * The inital setting of the load mode and load type cycle gadgets may be set
   via the LOADMODE and LOADTYPE keywords.
```

1.45   TTManager Window - ToolType Page: ToolType Display & Editing

```
ToolType Page:

The ListView:
  The icon's tooltypes are displayed here.


The ListView String Gadget:
  Nothing out of the ordinary here.  It's used to edit the items in the
listview.  It's disabled when a move is in effect.
```

1.46   TTManager Window - ToolType Page: The Button Bar

```
ToolType Page:

The Button Bar:
  From left to right, the buttons are:

  Add - Inserts a new, blank tooltype after the currently selected one.

  Delete - The current tooltype is removed from the list.
```

Toggle – Enables or disables (surrounds with parentheses "()") the current
        tooltype.

Move – Select a tooltype in the listview, click on the Move button (the
       listview's string gadget will be disabled), and then click somewhere
       in the listview – The tooltype will be inserted after the item you
       clicked on.
        To cancel a move, either reselect the same tooltype, or press the move
       button a second time.

Duplicate – Others may struggle with the ethics and morality of cloning;
            TTManager leaves the matter entirely up to you. :-) Click on a
            tooltype and an identical copy appears (Marvel Comics is
            discouraged from using this mode ;-)).

Cut to Clipboard – The current tooltype is removed from the listview and
                   appended to the current clipboard's contents.

Copy to Clipboard – The current tooltype is appended to the text in the
                    current clipboard unit.

Paste from Clipboard – The contents of the clipboard are inserted into the
                       tooltype list after the current tooltype.

Clear Clipboard – Clears the contents of the current clipboard unit.

1.47 TTManager Menus

Menus:

```
Project          Edit              Information    ToolTypes                  ←
   Settings
New...     [A]N  Cut        [A]X   Icon Type   »  Enable All      [A]+  ./ Only ←
   Icons In File Req?
Open...    [A]O  Copy       [A]C   Default Tool »  Disable All     [A]-  ./ Volume ←
    Page On Disk?
~~~~~~~~~~~~~~~~ Paste      [A]V   Protection  »  Toggle All      [A]\    Move ←
   If New Volume?
Save       [A]S  Clear Clip [A]0                   ~~~~~~~~~~~~~~~~~~~~~~~  ./ ←
   Close After Save?
Save As... [A]A  Clip Unit     »                   Delete             »  ./ ←
   Warnings?
~~~~~~~~~~~~~~~~~  ~~~~~~~~~~~~~~~~                ~~~~~~~~~~~~~~~~~~~~~~~     ←
   Create Icons?
Close      [A]1  Undo       [A]U                   Load From Icon      »  ←
   ~~~~~~~~~~~~~~~~~~~~~~~~~~~
Close All  [A]!  Redo       [A]Z                   Load From ASCII     »  Snapshot
~~~~~~~~~~~~~~~~~ Flush         »                   ~~~~~~~~~~~~~~~~~~~~~~~
About...   [A]?                                    Save As ASCII... [A]D
~~~~~~~~~~~~~~~~~                                   ~~~~~~~~~~~~~~~~~~~~~~~
Quit       [A]Q                                    Sort             [A]T
                                                   Reverse          [A]R
```

```
                    "[A]" represents the right Amiga key.
```

1.48   TTManager Menus: Project - New & Open

```
Menus:

  Project
  New...          A N
  Open...         A O
          :
```

New
  Opens a file requester for an icon to open. The selected file's icon will be
opened in a new window.

Menu Shortcut: <Right Amiga> N

Open
  Opens the selected file's icon in the current window. The window's previous
contents are lost. This operation cannot be undone.

Menu Shortcut: <Right Amiga> O

1.49   TTManager Menus: Project - Save & Save As

```
Menus:

  Project
          :
  Save            A S
  Save As...      A A
          :
```

Save
  Saves the icon using the path and name displayed in the window's title bar
and file name string gadget.

  If the Close After Save menu option is set the window will then close itself.

Menu Shortcut: <Right Amiga> S

Save As
  Opens a file requester allowing you to save the icon under a different name.
The original ".info" file (and any file it may belong to) are unchanged.

Menu Shortcut: <Right Amiga> A

1.50   TTManager Menus: Project - Close & Close All

```
Menus:

  Project
        :
  Close        A 1
  Close All    A !
        :


Close
  Closes the current window.

Menu Shortcut:  <Right Amiga> 1


Close All
  Closes all open (TTManager) windows.

Menu Shortcut:  <Right Amiga> !


Note:  If Warnings are enabled, and the tooltypes have been modified, a
       confirmation requester will appear before the window is closed.
```

1.51   TTManager Menus: Project - About

```
Menus:

  Project
        :
  About...     A ?
        :


About
  Displays the following information:
    * TTManager's version.
    * Copyright.
    * My e-mail address.
    * Translation credit (Only displayed when using a v3.1, or above, catalog).
    * The name of the icon being edited, if it's a default icon, and the
      number of colors in the icon's image.
    * The number of items in the undo buffer.

Menu Shortcut:  <Right Amiga> ?
```

1.52   TTManager Menus: Project - Quit

```
Menus:
```

```
  Project
          :
  Quit...        A Q
```

Quit
  Quits TTManager. Of little use; included for completeness. ;-)

Menu Shortcut: <Right Amiga> Q

Note: If Warnings are enabled, and the tooltypes have been modified, a
     confirmation requester will appear before each window is closed, and one
     more requester will pop up before TTManager quits.

1.53   TTManager Menus: Edit - Cut, Copy, Paste, & the Clipboard Unit

Menus:

```
  Edit
  Cut         A X
  Copy        A C
  Paste       A V
  Clear Clip  A 0
  Clip Unit   »->./0
          :         1
                    2
                    3
                    4
                    5
                    6
                    7
                    8
                    9
```

Cut
  Copies the tooltype list to the clipboard, and then deletes the list.

Menu Shortcut: <Right Amiga> X

Copy
  Copies the tooltype list to the clipboard.

Menu Shortcut: <Right Amiga> C

Paste
  Inserts the contents of the clipboard into the tooltype list after the
current item.

Menu Shortcut: <Right Amiga> V

```
Clear Clip
  Clears any text in the current clipboard unit.  Useful with the Add to Clip
edit mode.

Menu Shortcut:  <Right Amiga> 0


Clip Unit
  Allows you to select which clipboard unit (0 to 9) Cut, Copy, and Paste will
use.
```

1.54   TTManager Menus: Edit - Undo, Redo, & Flushing

```
Menus:

  Edit
       :
  Undo      A U
  Redo      A Z
  Flush      »->Current Buffer A '
                 All Buffers   A "


Undo
  Clicking undo undoes the last operation.  The number of operations which may
be undone is set by the MAXUNDO tooltype or CLI option (the default is 10).

Menu Shortcut:  <Right Amiga> U


Redo
  Redo undoes an undo.  :-)

Menu Shortcut:  <Right Amiga> Z


Note:
  Nearly any operation which may be undone.  Following is a list of the (few)
actions which cannot be undone:
  * Save
  * The New and Open menu options.
  * Closing the window.
  * Quitting TTManager.


Flush:
Current Buffer
  Empties the current window's undo/redo buffer.  Note that this cannot be
undone.  :-)

Menu Shortcut:  <Right Amiga> '


All Buffers
  Each TTManager window has it's own undo buffer.  This option empties the undo
```

```
undo buffer in every TTManager window.

Menu Shortcut:  <Right Amiga> "
```

1.55   TTManager Menus: Information - Icon Type

```
Menus:

  Information
  Icon Type    »->  Disk
        :            Drawer
                  ./Tool
                    Project
                    Trash
```

```
Icon Type
  Selects the icon type.
```

1.56   TTManager Menus: Information - Default Tool

```
Menus:

  Information
        :
  Default Tool »->Select...
        :           Clear
                  ~~~~~~~~~
                   <user>
                      :
```

```
Default Tool
  Sets the icon's default tool.

  Select - Opens a file requester; the selected file will be the default tool.
  Clear  - Sets the default tool to nothing.
  <user> - These menu items (up to 61) are set using the DEFAULTTOOLMENU
           keyword.  When one of these items are selected the default tool is
           set to the name of the menu item.  For example, if a menu item named
           "C:XIcon" is selected then the icon's default tool will become
           "C:XIcon".
```

1.57   TTManager Menus: Information - Protection

```
Menus:

  Information
      :
  Protection   »->./Readable
                  ./Writable
```

```
                    ./Executable
                    ./Deletable
                      Script
                      Pure
                    ./Archived
                    ~~~~~~~~~~~~~~~~~~~~
                      User
                    ./Group - Readable
                      Group - Writable
                    ./Group - Executable
                      Group - Deletable
                      Other - Readable
                      Other - Writable
                      Other - Executable
                      Other - Deletable
```

```
Protection
  Sets the tool's, project's, or drawer's protection bits.

  Readable   - The file may be read.  Tools, projects, and drawers.
  Writable   - The file may be written to.  Tools, projects, and drawers.
  Executable - The file may be executed.  Tools only.
  Deletable  - The file may be deleted.  Tools, projects, and drawers.
  Script     - The file is an AmigaDOS script and may be run without having
               to use AmigaDOS's Execute command.  Projects only.
  Pure       - The file is pure and may be made resident.  Tools only.
  Archived   - The file has been backed up.  Tools, projects, and drawers.

  The remaining bits are used by the MultiUser File System.  If you do not
have MuFS installed then setting or clearing these bits will have no effect
on your ststem (although they will still be saved).
```

```
Notes:
  * Protection bits are actually stored along with a file, not in the icon,
    so the protection bits will be lost if no file exists when the icon is
    saved.

  * If multiuser.library is present in the LIBS: directory, then the
    MuSetProtection() function will be used to save the protection bits.
    Otherwise the regular dos.library SetProtection() call is used.
```

1.58 TTManager Menus: ToolTypes - Enable, Disable, & Toggle All

```
Menus:

  ToolTypes
  Enable All      A +
  Disable All     A -
  Toggle All      A \
          :


Enable All
```

```
   Removes any parentheses ("()") surrounding a tooltype.

Menu Shortcut:  <Right Amiga> +


Disable All
   Brackets all tooltypes with parentheses ("()"), thus disabling them.

Menu Shortcut:  <Right Amiga> -


Toggle All
   Any disabled tooltypes are enabled, and vice-versa.

Menu Shortcut:  <Right Amiga> \
```

1.59   TTManager Menus: Edit - Delete

```
Menus:

  ToolTypes
        :
  Delete       »->All           A .
        :           Current To Top A <
                    Current To End A >


Delete
All
   Deletes the entire tooltype list.

Menu Shortcut:  <Right Amiga> .


Current To Top
   Deletes the tooltypes from the currently selected one to the beginning of the
list.

Menu Shortcut:  <Right Amiga> <


Current To End
   Deletes all tooltypes from the currently selected one onwards.

Menu Shortcut:  <Right Amiga> >
```

1.60   TTManager Menus: ToolTypes - Loading From Icons & ASCII

```
Menus:

  ToolTypes
          :
```

```
  Load From Icon      »
  Load From ASCII     »->Replace...
          :               Append...
                          Only New...
                          Only Existing...
```

Load From Icon
  Pops up a file requester allowing you to add tooltypes from another icon(s)
to the one currently being edited.

Load From ASCII
  Same as above, only now the contents of the selected file(s) are added to
the list.

  Replace - The old tooltypes are replaced by the new ones.

  Append - The new tooltypes are appended to the end of the tooltype list.

  Only New - Each new tooltype is checked against the current list of
           tooltypes, and added to the end of the list if no match is found.

  Only Existing - Similar to Only New, except that if a match is found the
               new tooltype replaces the old one. The new tooltype is
               discarded if it isn't already in the list.

Note:
  * The modes Only New and Only Existing compare the tooltype's
   keyword. Given the tooltype "(LEFTEDGE=360)", these modes are looking for
   a match to "LEFTEDGE" (the keyword's value (if any) and whether it's
   enabled or disabled is ignorred).

  * These menu options are equivalent to setting the Load Mode and From Type
   cycle gadgets and pressing the Load button.

1.61   TTManager Menus: ToolTypes - Save As ASCII

Menus:

```
  ToolTypes
          :
  Save As ASCII... A D
          :
```

Save As ASCII
  Opens a file requester allowing you to save the tooltype list as a text file.
An icon will be created for this file if the Create Icons? menu option is on.

Menu Shortcut: <Right Amiga> D

1.62   TTManager Menus: ToolTypes - Sort

Menus:

```
  ToolTypes
          :
  Sort            A T
          :
```

Sort
  Sorts the tooltype list into alphabetical order.

Menu Shortcut: <Right Amiga> T

Note:
  * The sort is case-sensitive.
  * The tooltypes are sorted by their keywords only, and their state (enabled
   or disabled) is ignorred.

1.63   TTManager Menus: ToolTypes - Reverse

Menus:

```
  ToolTypes
          :
  Reverse         A R
```

Reverse
  Reverses the order of the items in the tooltype list.

Menu Shortcut: <Right Amiga> R

1.64   TTManager Menus: Settings - Only Icons In File Requester

Menus:

```
  Settings
  ./ Only Icons In File Req?
              :
```

Only Icons In File Requester
  When checked, the default pattern for file requesters will be set to
"#?.info", displaying only icons and directories.

Note: This option may activated at startup with the ONLYICONSINFREQ keyword.

1.65   TTManager Menus: Settings - Volume Page On Disk

Menus:

  Settings
               :
  ./ Volume Page On Disk?
               :

Volume Page On Disk
  When checked, TTManager will display the Volume Information page when a disk
icon is loaded.

Note: This option may activated at startup by the VOLPAGEONDISK keyword.

1.66   TTManager Menus: Settings - Move If New Volume

Menus:

  Settings
               :
  ./ Move If New Volume?
               :

Move If New Volume
  If checked and when a file has been renamed to a new volume in the file name
gadget (for example, changing "DH0:T/This" to "DF0:That") and saved, then the
original file will be deleted. Otherwise the original file will remain
unmodified.

Note: This option may be enabled at startup by using the MOVEIFNEWVOL
      keyword.

1.67   TTManager Menus: Settings - Close After Save

Menus:

  Settings
               :
  ./ Close After Save?
               :

Close After Save
  If this menu item is checked, the window will be closed after performing a
Save. Otherwise the window remains open.

Note: This option may be turned on at startup by using the CLOSEAFTERSAVE
      keyword.

1.68   TTManager Menus: Settings - Warnings

Menus:

```
  Settings
              :
  ./ Warnings?
              :
```

Warnings
  If this menu item is checked, TTManager will pop up a confirmation
requester before certain important actions are performed, such as closing a
window when the tooltypes have been modified but not saved, or quitting the
program.

Note: This option may be turned off on startup by using the NOWARNINGS
      keyword.

1.69   TTManager Menus: Settings - Create Icons

Menus:

```
  Settings
              :
  ./ Create Icons?
```

Create Icons
  An odd option, eh? :-) If this item is checked, then the text file created
by the Save As ASCII menu option will have an icon.

Note: This option may be turned off on startup by using the NOICONS keyword.

1.70   TTManager Menus: Settings - Snapshot

Menus:

```
  Settings
              :
  Snapshot
```

Snapshot
  Sets TTManager's LEFTEDGE, TOPEDGE, WIDTH, and HEIGHT tooltypes to the
position and size of the current window. A default icon will be created if
none was found.

1.71   TTManager: Keyboard Shortcuts

```
Gadget Keys - Global:
File string gadget          i
Page cycle gadget           p, P
Undo button                 u
Redo button                 r
Save button                 s
Save As button              a
Cancel button               c

Gadget Keys - Information Page:
Stack integer gadget        k
Default Tool string gadget  t
Comment gadget              o

Gadget Keys - ToolType Page:
Load button                 l
Load Mode cycle gadget      m, M
From Type cycle gadget      f, F
```

  Keys are case-insensitive except for the cycle gadget shortcuts. With a
cycle gadget, the shifted key will cycle backwards through the available
options.

```
Menu Shortcuts:
Project
New...       A  N
Open...      A  O
Save         A  S
Save As...   A  A
Close        A  1
Close All    A  !
About...     A  ?
Quit         A  Q

Edit
Cut     A  X
Copy    A  C
Paste   A  V
Undo    A  U
Redo    A  Z
Flush       » Current Buffer A  '
              All Buffers    A  "

Tooltypes
Enable All      A  +
Disable All     A  -
Toggle All      A  \
Delete              » All           A  .
                      Current To Top A  <
                      Current To End A  >
Save As ASCII... A  D
Sort            A  T
Reverse         A  R
```

  "A " stands for the right Amiga key.

1.72   TTManager: ARexx Interface

```
ARexx:
  TTManager's port name is "TTMANAGER".

  Commands:
  NEW
```

1.73   TTManager Arexx: NEW

```
NEW

  NEW [<filename>]

  Opens a new TTManager window, loading <filename>.  If no file name is given,
a file requester will be opened.
```

1.74   TTManager: @#%*!!!

```
Known Bugs:


  If you come across any bugs, please report them to me.
```

1.75   TTManager: Be Advised...

```
Note:
  - Sort and the Only ... load modes compare the tooltype's keyword, and
   ignore any value or whether it's disabled or not.  This is a feature, not a
   bug.  :-)

  - The various options in the Settings menu are shared by all TTManager
   windows (this is intentional).

  - The About requester's text isn't yet attractively formatted.

  - TTManager's tooltype list is (currently) limited to around 65,534 tooltypes
   (if you call that a limit (show me the program that uses 60,000+ tooltypes!
   :-) )).

  - TTManager's windows aren't independent processes.  If one window is
   performing a time consuming task (sorting 60,000 tooltypes? :-) ) input to
   other TTManager windows will be blocked.  In practice, this isn't something
   which is likely to be noticed.

  - Protection bits and comments are stored with a file, not in the icon.  So
   if you save an icon and there isn't a file that goes along with it the
   comment and protection bit settings will be lost.
```

  – TTManager can now move a file across volumes. For example, "DH0:T/Maybe"
   could be renamed and moved to "DF0:Definitely". In cases such as this,
   the file is actually copied (using the AmigaDOS Copy command). The
   original file may be deleted or left unchanged, depending on the
   Move If New Volume setting.

  – Drawer icons without drawers, dropped onto the AppIcon or AppWindow, will
   not be loaded (TTManager recieves an appmessage, but no lock). Using the
   file requester to select them works.

1.76   TTManager: Now Yer Speakin' My Language!

Localization:
  As of version 2.2, TTManager supports localization. To use TTManager in
the language of your choice you'll need WorkBench 2.1 or above, and a catalog
file (ttmanager.catalog) for your language.

Currently, there are catalogs for the following languages:
  – French – Created by Frederic Delacroix.
                      <Frederic.Delacroix@univ-valenciennes.fr>
  – German – Created by Gerald Schnabel.
                      <Gerri@studbox.uni-stuttgart.de>
  – Greek – Created by Vellis Alexandros.
                      <ee2846@ee.teiath.gr>
  – Polish – Created by Lukasz Jodlowski.
                      <ljodlo@ucku4.uck.pk.edu.pl>

  If you're interested in creating a catalog or translating the docs then
please e-mail me, and I'll let you know if anyone is currently doing so.

Notes:
  – The catalog files from TTManager 2.x will not work with version 3.x.

  – A possible problem is that TTManager's interface may not adapt properly
   to a new language. The layout routines assume the Load button, Load Mode
   and Load Type cycle gadgets form the widest part of the interface. If
   this isn't the case in your language, please let me know and I'll fix it
   (TTManager, that is :-)).

1.77   TTManager: The Shape Of Things To Come

                      Today the ToolTypes; tomorrow the world!

Future Plans:

Some possibilities for the future are:
  – Bug fixes; replacing them with newer, more interesting bugs. (Priority.)
  – Fiddle with the code to make it more efficient and to introduce new bugs
    to fix. :-)
  – An "Image" page? We'll see...

- More information in the About requester.
- More error checking/requesters.
- Expand and improve the ARexx interface - More commands and more options.
- Search requester.
- Multiselection in the listview.
- Patch into and replace Workbench's Information requester.
- Ability to open windows on public screens.

   If there's a feature you'd like to see, or think should be a priority, let
me know.

1.78   TTManager: Binary Archaeology

History:
  A long time ago, on a hard drive far, far away...

3.3
   - Added the CASCADEX and CASCADEY start-up options.
   - Added support for MultiUser File System's protection bits.
      - Suggested by Lukasz Jodlowski.
   - Added the Snapshot menu item.
      - Suggested by Michael Taylor, and Greg Donner.
   - Bug fix: The protection-bit masking in the save-icon routine didn't allow
    for the MuFS bits (and wasn't quite right to begin with, anyway).
      - Reported by Lukasz Jodlowski.
   - Assigns won't be expanded if only one file is selected from a file requester.
      - Suggested by Michael Taylor.
   - Added the Default Tool menu.
      - Suggested by Michael Taylor.
   - Bug fix: The calculations for a window's minimum width weren't quite right.
   - Some internal improvements and minor bug fixes.
   - Bug fix: A "Please insert volume Last Modified" requster would pop up
    when loading an icon from a file requester if the path was blank.
      - Reported by Lukasz Jodlowski.
   - Bug fix: The snapshot feature didn't update the default X, Y, width, and
    height variables - TTM had to be quit and restarted to use these values.
      - Reported by Gerald Schnabel

3.2
   - Small improvements to the update-interface routine.
   - Added the Only Icons In File Requester option.
      - Suggested by G.A. Green
   - New in the About requester:
      - The icon's path is no longer displayed.
      - "exists" or "default" displayed after the icon's name, depending on
       whether an icon actually exists or if a default icon was loaded.
         - Suggested by G.A. Green
   - The number of colors an icon's image uses is reported.
   - Bug fix: An "improvement" in v3.1 resulted in only project icons being
     created for iconless files. Oops. :-)
   - Added a file requester button for the Default Tool gadget.
      - Suggested by Michael Taylor.
   - The icon's image is now displayed.
      - Suggested by Michael Taylor.

- Relocated the Undo & Redo gadgets; they're always available now.
- Tooltypes are now saved for disk, drawer, & garbage icons.
  - Reported by Joern Krueger.
- New start-up options: ICONDISPLAYWIDTH and ICONDISPLAYHEIGHT.
- Bug fix: The keyboard shortcut for the Page cycle gadget was broken.
  - Reported by Gerald Schnabel.

3.1
- Improved icon saving and renaming.
- The strings for the Undo and Redo gadgets are comparred to find the
 longest one.
- Bug fix: When the undo list was full old items were removed, but not
            killed.
- Bug Fix: The ARexx command "New" didn't strip the ".info" extension.
  - Reported by Michael Taylor.
- The About requester can now credit the Locale translator (new entry in
 the v3.1 .cd/.ct files - still 100% compatible).
    - Suggested by Vellis Alexandros.
- Shed some excess bytes here and there.

3.0d
- The Add, Toggle, and Duplicate buttons will first check the string
 gadget's contents (handy if, like me, you occasionally forget to hit
 <RETURN>).
- The filename gadget no longer does a case-insensitive comparison, so
 "bla" can be renamed to "Bla".
- Bug fix: A call to FreeMenus() was missing.

3.0c
- Bug fix: At 100%, the percent-full guage was 1 pixel too wide.
- The filename gadget wasn't hooked into the undo system. Is now.

3.0b:
- Bug fix: The ARexx command "New" didn't work properly when no filename
            was given.
- Bug fix: Editing a blank line caused an Enforcer hit.
- Bug fix: The Cut & Copy to Clipboard edit buttons didn't check if there
            was a tooltype selected.
- Bug fix: The icon wouldn't be deleted during an across-volume rename.
- Bug fix: If a rename was cancelled due to a fle with the same name
            already existing the icon would stil be saved to the new
            destination.

3.0a (limited beta release):
- Minor bug fixes.
- Added an ARexx port, named "TTMANAGER".
- Added an ARexx command: New [<filename>]. This allows TTM windows to be
 opened from the CLI or directory utilities.
    - Suggested by Rob Sullivan, Richard Knight, and James Kückmann.

3.0 (limited beta release):
- Replaced the Edit Mode cycle gadget with a button bar.
  - Thanks to Michael Taylor for the suggestion this evolved from.
- Two new edit buttons: Cut to Clipboard and Clear Clipboard.
- Removed the Hidden protection-bit checkbox gadget.
- Removed the EDITMODE tooltype.
- New default AppIcon image.

- Added the Volume Information page.
- New catalog - 2.x catalogs no longer valid (sorry).
- Added Volume Page On Disk option.
- Added Move If New Volume option.
- Reordered the pages to: Volume Information, Information, Tooltypes.

2.4d:
- Bug fix: Renaming could GURU if a file by the same name existed and
had to be overwritten.

2.4c:
- Renaming now works like Workbench: same volume = rename, different
volume = copy.
- Improved the calculation for the longest right-side protection string.
- Fixed a deadlock situation which would occur if an error happened before
a window's message port was assigned.

2.4b:
- When renaming, the old icon would still exist if it didn't have a file.
- Small improvements to string disposal.
- Fixed the last of the bugs causing TTManager to be less than stable
(if the replace string routine needed to create a new string, no one
recieved the new string's address).
  - Special thanks to Michael Taylor for bug reports and beta testing above
   and beyond the call of duty. :-)

2.4a:
- If no file exixts, the protection bits are given default values of
Readable, Writeable, Executable, and Deletable.
- Bug fix: A coule strings were never freed..
- Bug fix: String-trimming routine needed a "greater-than-zero" test, as
opposed to just "not zero".
- Bug fix: "Maximum windows open" warning would be reported as "font too
big".

2.4:
- Improved the Commodity interface.
  - Starting a second TTManager pops up the About requester.
  - TTManager responds to Show/Hide Interface commands.
- Found and removed a couple pieces of useless code.
- Found and fixed a bug which could cause occasional crashes or lock-ups.
  - Reported by Jeff Dettman.
- Canceling a file requester no longer quits TTManager (an undocumented
"feature" in v2.3 :-)).
  - Reported by Gerald Schnabel.
- "Hidden" no longer has a colon. :-)
  - Reported by Gerald Schnabel.
- Sort was broken, and would cause GURUs.
  - Reported by Gerald Schnabel.
- Changes to the ttmanager.cd file (changes are listed at the top of the
file).
- The layout routines no longer assume "Archived" to be a longer word than
"Script", "Pure", or "Hidden".
- The interface wasn't updated after icons were dropped onto the AppWindow.
- Bug fix: Bad CLI args would cause a crash.
  - Reported by Rob Sullivan.
- Bug fix: Attempting to load a file which didn't exist would cause a

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   crash.
  - The "Last Modified:" date might have extra spaces if english is not your
  native language (OS's fault!  :-) ).
    - Reported by Gerald Schnabel.


2.3:
  - Optimized localization routines, and a few others.
  - New error messages; better error handling in window-opening routines.
  - Fixed several goofs/oversights I made in v2.2 (it was a beta anyway).  :-)
  - Warning requester when tooltype list exceeds 65,535 items (as if :-) ).


2.2:
  - Localized.


2.1:
  - Many internal changes:
  - List, string, resource, file requester, and file name handling routines and
   GUI/menu updating routines replaced with newer, improved code.
  - Fixed (most) known bugs.  So how many new ones did I introduce?! :-)


2.0a:
  - The listview string gadget would initially be empty if EDITMODE was set to
   "EDIT".  A crash would result if this non-existant string was edited.
  - Keyboard shortcuts for page-specific gadgets only function when their page
   is active (except for the Undo and Redo buttons).
  - The Stack, Default Tool, and Comment gadgets now have keyboard shortcuts.
  - Updated the docs.


2.0:
  - Many big changes:
  - Added the Icon Type cycle gadget.
  - Added the Page cycle gadget...
  - ...And the Information page, which allows manipulation of a file's:
    - Stack,
    - Default Tool,
    - Comment, and
    - Protection bits.
  - The File name gadget now displays the path and file name.  The window's
   title bar just displays "TTManager v2.0".
  - Removed the Original Name menu item.  The File name gadget is now serviced
   by the undo routines.
  - The undo routines now handles the File name gadget and all new gadgets and
   menus.
  - The File name gadget can now move files across volumes, and
   relabel disks.
  - Added the Information menu.
  - The keywords for EDITMODE, LOADMODE, and LOADTYPE no longer have to be
   entered in all caps.


1.3a:
  - Fixed the bug which crashed 68000/68010 systems (had GTLV_LABELS set to -1
   when creating the gadget (dumb, dumb, dumb, dumb, dumb, dumb, dumb)).
  - Fixed the minimum window height and listview height calculations.  Again.
  - A little more code cleaning, and small fixes.


1.3:
  - Clear Clip menu option.
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    - Add to Clip edit mode.
    - Some code cleaning; saved 624 bytes.

1.2a:
    - Changed the default hotkey string to a 2.04 compatible format.

1.2:
    - TTManager is now a Commodity.
    - Added an AppMenu item (why didn't I think of this before?).
    - Quits when a Break-C is recieved.
    - NOAPPICON, CX_PRIORITY, and HOTKEY keywords.

1.1a: (unreleased)
    - No longer keeps a permanent lock on Workbench; only when a window is open.

1.1:
    - EDITMODE, LOADMODE, and LOADTYPE keywords.
    - Items pasted from the clipboard are now inserted after the currently
     selected tooltype.

1.0:
    - Bug fixes, and general fiddling around with things.

0.9b:
    - MAXUNDO keyword; undos can now be limited or disabled.
    - Some minor bug fixes.

0.9a:
    - Okay, the "Duplicate" edit mode can really be undone now.
    - Also able to be undone/redone:
      - The delete all/current to top/end menu options.
      - Clipboard cutting and pasting.
      - All the load-modes (replace all, append all, etc. (from either icons or
       ASCII)).

0.9:
    - Undo & Redo.  So far, the following can be undone/redone:
      - All the edit modes, add, edit, toggle, delete, move, & duplicate.
      - Reverse tooltype list.
      - Enable/disable/toggle-all tooltypes.
      - Flush undo buffer (current & global).
      - The "About" requester now displays some info. about the current window.
      - Keyboard shortcuts for more of the menus & the GUI.


0.8:
    - Improved the quit-program process (as if you would ever want to quit
     TTManager (well, maybe to start up a newer version)  :-) ).
    - Huge internal changes; optimised and replaced about half the source with OO
     code.

0.7b:
    - Fixed various Enforcer hits and bugs.

0.7a:
    - Added a version string.
    - Bug Fix:  Didn't check if tooltype pointer was NIL.
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0.7:
  - Clipboard support.

0.6:
  - Sort.
  - The tooltype load modes "Only New" & "Only Existing".
  - Fixed the window minimum-height calculation.
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1.79 TTManager: Credit Where Credit Is Due Dept.

```
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  - My parents.

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   drawer icon were created from the Iconite clipart, which I mangled a bit to
   get to four colors.

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           being one of many valuable lessons.

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    <gdonner@cyberlink-inc.com>

  - Gerald Schnabel - Beta testing,
                      German translation.
    <Gerri@studbox.uni-stuttgart.de>

  - Michael "Max Headroom" Taylor - Beta testing.
    <rushmax@calweb.com>

  - Frederic Delacroix - French translation.
    <Frederic.Delacroix@univ-valenciennes.fr>

  - Lukasz Jodlowski - Polish translation,
                     - Beta testing.
    <ljodlo@ucku4.uck.pk.edu.pl>

  - Vellis Alexandros - Greek translation.
    <ee2846@ee.teiath.gr>

  - The Ramones,
    U2,
    Blondie,
    Deborah Harry,
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    The Heads,
    Lord of the Dance soundtrack - Music to program by.

  - You - For using TTManager!
```

1.80   TTManager: Me

Contacting Me:
  Comments, questions, bug reports, or whatever can be directed to me at the
addresses below (e-mail is preferred).

  Check out the Web page from time to time; the latest versions of whatever I
happen to be working on will always be available there first. Also, new
catalogs/translations will appear there.

 Snail: Jody Tierney
           29118 Lark Street
        Elkhart, IN 46514-9579
              USA

E-mail: jtierney@cyberlink-inc.com
   WWW: http://www.cyberlink-inc.com/jtierney