# FontView

| COLLABORATORS | | | |
| --- | --- | --- | --- |
| | *TITLE* :<br><br>FontView | | |
| *ACTION* | *NAME* | *DATE* | *SIGNATURE* |
| WRITTEN BY | | February 12, 2023 | |

| REVISION HISTORY | | | |
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| NUMBER | DATE | DESCRIPTION | NAME |
| | | | |

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# Chapter 1

# FontView

## 1.1 FontView v2.7 ©1996 Steve Banham

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                          FontView v2.7 - 01 May 1996
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## 1.2  Legal Information

```
              Legal Information
~~~~~~~~~~~~~~~~~~~~
    FontView  is  NOT  Public  Domain,  the main program and all associated
files   remain   copyright  ©1996 Steve Banham.  If you find FontView useful,
and   would   like   to   continue   using   it   then   please read the section on

            registration
             .

    The   user   takes   full   responsiblity  for  ANY problem which may occur
through using FontView.  Whilst the program has been extensively tested and
the   author   has   not   found   any   dangerous problems, if anything untoward
happens   through   using   it   then   I,  the   author,  take  NO reponsibility
whatsoever.

    Whilst,   I   am   keen to find/eliminate any bugs in FontView and add new
features, my continued interest in updating this program will be influenced
by   the   number of registrations received.  In other words, if people don't
do   the  right  thing  and send the small amount requested then my interest in
the program will dwindle accordingly.

    The   program   may   not   be used in any commercial venture without prior
written consent from the
               author
                . It may be included in PD
or   shareware libraries (eg, Aminet, Fred Fish) which charge only a nominal
fee for disk copying.

    The following files MUST accompany any distribution of FontView.

        FontView ................... 27448
        FontView.info ............... 1300
        FontView.guide .............. 21615
        FontView.guide.info ......... 1241
        4Col/FontView.info .......... 863
        4Col/FontView.guide.info .... 518
        4Col.info ................... 804
```

## 1.3  What Is FontView?

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 What Is It?
~~~~~~~~~~~~~
    This   program displays various information about any font selected from
your FONTS:  directory.  Once a font has been selected, you can also view a
sample  display  of this font.  All text styles are supported by the sample
viewer.   You   can   re-assign   the   FONTS:  directory from within FontView.
This   lets   you   view   fonts   from anywhere.  The FONTS:  directory will be
re-assigned to 'SYS:Fonts' once you quit FontView.

    FontView also allows you to switch it to different public screens.  For
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example, you may wish to see how a font looks with a certain screen mode
without configuring the current screen to use that mode. Just move
FontView to the screen and you can then view it using the screen mode in
question.

## 1.4  Installation

 Installation
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    FontView requires Workbench 2.04+ (v37) in order to run.  If you are
running anything lower than this then the program will simply fail to run.

    You also need reqtools.library v38.1248 correctly installed for
FontView to work.  As long as it is installed, just copy FontView to the
destination of your choice.  You must use at least v38.1248 - there seems
to be a bug of some kind with earlier versions of reqtools' font requester.
No special assigns are required.

    FontView does need to access the 'assign' command in your c: directory
so make sure that it is available.  As of v2.5, FontView will also run the
Fix Fonts program to update all #?.font files in the FONTS: directory.
This program must be in SYS:System/FixFonts for this function to work
properly.

## 1.5  Cli Usage

 Running From Cli/Shell
~~~~~~~~~~~~~~~~~~~~~~~~~
    The following arguments can be supplied to FontView from the Cli. These
are:

    PUBSCREEN   : The Name of a Public Screen to open on - defaults to
                  workbench.

    FIXFONTS    : The full path (dir and filename) to the fixfonts program
                  which can be launched with FontView to update the font
                  files when you add or delete a fontsize.

    eg:

        Shell> FontView PUBSCREEN=DOPUS.1 FIXFONTS=RAM:Fixfonts

        This will force FontView to startup on the Public Screen called
        DOPUS.1 (DirectoryOpus's default screen name). And to use the
        program 'RAM:Fixfonts' if the user presses the fixfonts gadget.

## 1.6  Workbench Usage

```
 Running From Workbench
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    FontView currently only supports one Tooltype, this is:

    PUBSCREEN   =   The screen which FontView will initially open it's
                    window on – defaults to workbench.

    FIXFONTS    =   The full path (dir and filename) to the fixfonts
                    program which can be launched with FontView to
                    update the .font files.

## 1.7  Program Operation

```
                  Program Operation
~~~~~~~~~~~~~~~~~~~~
    FontView can be run from either
                  CLI
                  or
                  Workbench
                  . Once run, a
window will open containing various gadgets.
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```
                  Gadgets
                  – Program gadget descriptions.

                  Information
                  – Font information definitions.
```

    There are four extra gadgets in the main window which allow you to
select the font style which will be displayed in the sample. Try them to
see what they do. Be aware that not all fonts allow all the styles. You
may find that with some fonts although certain styles have been selected
the actual displayed font does not have these characteristics. This is
perfectly normal and not a bug.

    All the functions are duplicated in the pull down menus for
convenience. Most are named identically, however two aren't. 'Change
FONTS: dir...' does the same thing as the Directory Button, and 'New Font
is identical to the 'Select Font Button'.

    The program is reasonably simple, play around and you'll soon discover
how it works.

## 1.8  Gadgets

```
                  Gadgets
~~~~~~~~~~~
```

```
    Select Font Button -   Brings up a font requester from which you can
                           choose a font and it's size. The font name
                           will be visible in the window.

    Directory Button   -   Brings up a directory requester which can be used
                           to select a new path to assign FONTS: too. This
                           allows the font requester to be used to access
                           fonts from anywhere. When the program is ended it
                           resets the FONTS: assign to: 'SYS:Fonts/'.

    Font Information   -   Brings up a seperate window which contains all of
                           the selected fonts particulars. This button
                           toggles the
                information
                 window on and off. If you
                           change screens this window will always start off
                           closed.

    View Font Sample   -   Shows a sample of the selected font. This is
                           just a simple reqtools requester so if a font
                           is too large to show on the screen, the text
                           will be 'hanging' over the edges. This isn't
                           really a problem, most of the font is viewable
                           and nothing nasty happens. The 'Continue' gadget
                           will always be available although it can look a
                           little odd.

    Move To New Screen -   Opens a screen requester which contains all the
                           available Public Screens. Select one and then
                           FontView will move to that screen. I have noticed
                           that some screens (CygnusEd) show up as a Public
                           Screen, but you can only move to them if they are
                           configured to allow visitors. CygnusED has a menu
                           option to do this.

    Fix Fonts          -   Runs the Fix Fonts program to update the #?.font
                           files. Useful when you remove or add a particular
                           size of font to/from your Hard Drive. The #?.font
                           files will be updated to reflect your changes.
                        ** Remember that this function operates on the FONTS:
                           directory so make sure you set the directory
                           assign to the directory you intend to update.

    Registered Users   -   Brings up a list of FontView's Registered Users

    About              -   Information about the program.

    Quit               -   Quit program.
```

## 1.9  Font Information

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 Font Information
~~~~~~~~~~~~~~~~~~
  Height          :   The height of the font (number of pixels/lines).
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| | | |
|---|---|---|
| Width | : | The nominal width of each character. If the font is normal (non proportional) this is the width between the first pixels of two characters. If a proportional font is used a special array of different width for each character may be used. |
| Low (Char) | : | A font can consist of up to 256 characters, but usually the font is much smaller. You can for example have a font which only consists of capital letters (A, B, C, .. Y, Z). This field tells us and the system which is the first character. |
| High (Char) | : | The last character in this font. |
| B(ase)Line | : | The number of pixels down the baseline is from the top of the characters. You may not use a base line which is greater than the nominal height – 1 (tf_YSize-1), or the system may crash! |
| (Bold)Smear | : | When you change the style to bold by calling the SetSoftStyle() function a copy of the font is placed on top of itself and a bit to the right. The further to the right, the bolder characters. This value represents the number of pixels to the right the characters should be moved. This value is usually set to 1, but large fonts usually need larger values. |
| Modulo | : | The graphics (character data) for the characters are organized into lines. First comes the top line of all characters, then the second line and so on... This value represents the number of bytes needed for each line. |
| Tall | : | The font is specially designed for high resolution screens with no interlace. (Each pixel is only half as wide as it is tall.) |
| Wide | : | The font is specially designed for low resolution screens which are interlaced. (Each pixel is only half as tall as it is wide.) |
| Reverse | : | The font should be printed in the opposite direction (right to left). |
| Design | : | If you have designed the font for the size specified in the "tf_ YSize" field this flag should be set. If a program has constructed this size of the font the flag should not be set. (The graphical quality of a Constructed font is usually not as good as a font which has been designed for this size.) |
| Type | : | The fonts can either be 'Fixed Width' or 'Proportional'. Proportional fonts are ones where the width of each character will vary depending on how wide the character is itself. The box containing an "i" will (usually) not |

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                         be as wide as a "w" for example.

  Users           :   Several programs may use the same font
                      simultaneously, and this value represents the
                      current number of users. Each time the font
                      is opened by a program this value is increased,
                      and each time someone closes the font this value
                      is decreased. Although FontView is technically using
                      the font, it won't show up in the number of users.


  Location        :   Tells us whether the Font is located on Disk or in Rom.
```

## 1.10  Development History

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 History
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   - Changes/Notes.
   # Bugfix.
   * indicates a new feature.


   v1.0     - Based on an Arexx program which I wrote a while ago.
            - Now completely coded in C.
            - First Public Release.


   v1.01    * Added intuition menus.
            # Bug fix: If the font requester had not been used and the
              program was quit then a guru would occur. Simply because,
              the program was trying to free a buffer for a non-existing
              requester structure.


   v1.02    - Minor changes to the GUI. Tidied up some of the string
              gadget locations.
            - Cleaned up intuition loops. All similar controls use the
              same function instead of one for each.


   v2.0     * Requires Kickstart v37+.
            * Complete re-write. Now has font sensitive interface.
            * Everything is now using proper gadtools.library calls.
            - Font styles adjustable from main window.
            * Added Change FONTS: dir option.
            - Automatically senses the screen font in use and presents
              data on it when the program begins.
            - Font requester remembers last selected font.
            - Various slight changes to displayed data.


   v2.1     * Added Public Screen switching.
            * Added Pull-Down menus.
            # Bug fix: On some systems the requesters would refuse to
              open on anything other than the Workbench Screen. This has
```

been fixed.
# Bug fix: Crashed on quiting if 'Use Screen' was selected
  and nothing was entered. Disabled 'Use Screen' until
  the listview has been used.
# Bug Fix: Although FontView's initial data was the screen
  font of the public screen on which it opened, the sample
  displayer would only show topaz 8.
# Bug Fix: If the Public Screen could not be located/used
  then the workbench was used but not brought to the front.
* Added a requester to notify if a screen could not be used.
- Slight change to 'About' requester - gadget text.


v2.2     # Bug Fix: Some of the earlier bug fixes had created
           problems of their own hopefully they are all gone.
         - Re-worked the entire interface display.
         - If no screen is selected from the requester, then the main
           window will still close and refresh itself. This helps
           avoid some of the updating problems it was having.
         # BugFix: A previous fix had stopped the font requester from
           using the last selected font as a default - and if it was
           canceled.


v2.3     * Added new font info items. Modulo, Baseline, BoldSmear,
           TallDot, WideDot, RevPath, Designed.
         * Redesigned interface from scratch to accommodate new
           info items.
         - Standardized some of the requester titles.
         - Changed documentation to Amigaguide format.


v2.4     * Moved font information to a seperate window which can be
           turned on or off. I found the info was only of interest on
           occasions.
         * The main window now has a zoom gadget which allows the
           program to be iconified quite nicely. The menu functions
           and hotkeys still work whilst the minimized window is
           selected.
         - Changed menu layout slightly.
         # Bug Fix: Previous version had to close and reopen the main
           window if no screen was selected in the requester. This is
           no longer necessary.


v2.5     * Added Fix Fonts function.
         - Moved all gui info to one source file - less work.
         - Stretched Font and Dir name gadgets - to allow for
           longer names.
         # Bug Fix: The assign routine wasn't working perfectly.
           changed to running the external Assign command. The
           assign routine in earlier versions can cause some real
           problems in a multi-tasking environment. Make sure the
           assign command is in your c: directory.
         * Made FontView shareware. Added appropriate requesters.
         - Changed Menu Item 'About' to ? instead of A as per g/lines.
         - All windows now have zoom gadgets to make them easier to

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                    get out of the way if so required.

        v2.5a   - Added failure requesters for incorrect kickstart and
                    reqtools versions. Now when run on anything less than Wb2.0
                    the program will give a 'Requires Kickstart v37+' requester
                    instead of just quiting silently, and a 'Requires reqtools.
                    library v38+'.
                - Slight changes to some requesters.
                - There seems to be a problem with earlier releases of v38
                    reqtools and the font requester. I have been unable to
                    track this down, but using at least v38.1248 fixes
                    the problem.

        v2.5b   - Minor update due to my mail addresses changing.

        v2.5c   - FontView double-locked the workbench screen but
                    didn't release both locks when it quit. This resulted
                    in other programs being unable to close and re-open
                    the workbench screen because intuition thought something
                    was still open there. :( Now fixed... :)

        v2.6    - Release date: 21 August 1995.
                * Added Tooltype support.
                - Re-wrote some of the documentation.
                * Added PUBSCREEN tooltype - initial opening screen.
                - Unregistered screen now opens after main window.
                - Changed version string.

        v2.7    - Release date: 01 May 1996.
                - Minor changes to the gui.
                * Registered Users function added.
                * FIXFONTS tooltype added.
                * Expanded help for Cli arguments. Press ? at prompt.
                - My Fidonet address changed.
```

## 1.11  Program Credits

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 Credits
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FontView v2.7 was created using the following software packages:

    SAS/C v6.3              © SAS Institute.
    GadToolsBox v2.0c       © Jan Van Den Baard.
    Reqtools.library v38    © Nico Francois.
    Cygnus Ed v3.5          © CygnusSoft Software.
    DirectoryOpus v4.12     © Jon Potter.


Thanks To:

  Max Gunsberger for his requests/suggestions/bug reports.

Registered Users:
```

```
    Max Gunsberger
    Arthur Sawilejskij
    Fred Mauloni
    Nigel Schodel
    Robert Rae Strickland
    Klaus Becker Jnr
    Petra Struck
    Anthony Flanagan
```

## 1.12  Registration

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 Registration
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As mentioned elsewhere in these documents, if you wish to continue using FontView then please consider registering. Although, nothing is disabled in the unregistered release , a small donation would be greatly appreciated.

If you wish to continue using FontView, then $AUD5 (Australian Dollars) is the suggested amount, although I will accept larger figures of course. :) Those that send the $5 will receive a personalised version of FontView, without the reminder requester's.

Those that wish can also have FontView compiled to suit their CPU. By all accounts, using a version compiled for the faster machines does speed up program operation somewhat. I am in no position to verify this, but I will send a 68000 version as well just in case any problems occur.

Registered users can receive updates of FontView by simply sending a floppy disk and return postage. I will send the most current version of FontView as soon as possible. If I am working on a significant update I will retain the disk and send it when the update is finished.

Send all relevant details to me along with your money. I will not be responsible for chasing you if you don't tell me your address. Be warned, I will pocket your money and leave it up to you to get in touch.

Thanks for trying FontView and I hope the program meets your needs...

## 1.13  Contacting The Author

```
 Author
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```

Send all bug reports, comments, registrations etc to:

```
        Steve Banham
        17 Denehurst Place,
        Port Macquarie,
        NSW, 2444
        Australia.
```

```
Phone/Fax : (065) 83 3255

Fidonet :    3:713/820.2
```