

QDisk

COLLABORATORS

	<i>TITLE :</i> QDisk	
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>
WRITTEN BY		October 27, 2024
<i>SIGNATURE</i>		

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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encounter, or just let me know what features you think QDisk should have.

The following files make up the distribution for QDisk...

QDisk	Main program.
QDisk.doc	Standard text documentation.
QDisk.guide	AmigaGuide format documentation.

1.3 whatisqd

```

/~~~~~\
/              WHAT IS QDISK?              \
/~~~~~\
~~~~~
QDisk provides you with the ability to monitor, from WorkBench, the
space usage of all AMIGA DOS disk volumes that are currently mounted.
QDisk can also send you a notification using a standard requester or a
recoverable alert when usage exceeds a limit set by you. QDisk
requires WB2.04 or higher.
```

1.4 whatsnew

```

/~~~~~\
/              NEW FOR QDISK V2.11          \
/~~~~~\
~~~~~
\textdegree{} This is a maintenance version and minor bug fix.
\textdegree{} Removed and enforcer hit.
\textdegree{} Made a few optimizations.
\textdegree{} Binary now about 9% smaller.
```

See History for detailed changes.

1.5 prevusers

```

/~~~~~\
/              PREVIOUS QDISK USERS NOTE!!  \
/~~~~~\
~~~~~
As I had to restructure the preferences format, prefs prior to v2.10
will be ignored and not loaded. I apologize for this inconvenience.
```

1.6 mainwindow

1.8 graphwindow

```

/~~~~~\
/              GRAPH WINDOW              \
\~~~~~\
~~~~~
Selecting "Graph" from the main menu will provide you with a window
that has a bar graph or "gas gauge" representing each drives space
usage.  If there are more than 10 drives mounted on your system then
you can use the scroll bar on the right of the window to scroll
through your drives.

```

1.9 gprefs

```

/~~~~~\
/              GENERAL PREFERENCES              \
\~~~~~\
~~~~~
Windows
~~~~~
This group of gadgets allows you to set the TopEdge and LeftEdge of
all the windows or you can manually enter values for TopEdge/LeftEdge.
Or, if the window is currently open, you can take a snapshot of it.
These values will be used next time you boot QDisk. If you try to
snapshot a window thats not open it will be ignored.

Bar Graph Pens
~~~~~
This group of gadgets allows you to set the pen colors for all the
bar graphs. The front pen is used for the actual bar render, the back
pen for a background to the bar and the text pen is the color of the
text in the bar.

Miscellaneous Prefs
~~~~~
  Priority
  ~~~~~
The priority for QDisk can be altered by +/- 3. Use this option
keeping in mind that this will effect either QDisks performance or
your overall system performance. Good values would be +/- 1.

  Sort Device Names
  ~~~~~
This will sort device names in ascending sequence.

  Show Free Bytes AS Mb/Kb
  ~~~~~
This will format the free bytes into Kilobytes/Megabytes. Keep in
mind that a kilobyte is 1,024 bytes and a megabyte is 1,048,576 bytes.
This should be mentioned as there will be a difference between space
expressed as bytes vs Mb/Kb.

```

Start Iconified

~~~~~

If activated, QDisk will start up in an iconified state.

Update Every...

~~~~~

This will cause QDisk to be updated using the timer device at the interval that you specify in seconds. The minimum interval is 5 seconds, and maximum interval is 999 seconds. Updates are always performed when a disk is inserted or removed, or the main window is activated. See also Considerations For Timed Notifications.

Mark When...

~~~~~

This will cause QDisk to place an asterisk to the left side of any volume that equals or exceeds the percent usage that you specify as the "% Full". For example, if you specify a mark at 85%, any volume having a percent usage of 85% or more will be marked.

PubScreen

~~~~~

If a public screen name is specified, QDisk will open on that screen. Otherwise the WorkBench screen will be used.

1.10 nprefs

```

/~~~~~\
/          NOTIFICATION PREFERENCES          \
/~~~~~\

```

Setting Up Notification

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Notification preferences are used to set up how you would like to be notified if space usage exceeds your requirements. There are two listviews, VOLUMES and the NOTIFY LIST. The VOLUMES list shows the volumes currently mounted from which you may select. The lists are arranged in two columns, the left showing the device name and the right showing the volume name. Clicking on a volume from the VOLUMES list will make it available to be added to the NOTIFY LIST. When a volume is selected the "ADD" gadget will become active and the current percent usage and free bytes for that volume are displayed in the read only gadgets under the VOLUMES list. If you then click on the "ADD" gadget above the VOLUME list then this volume will be inserted into the NOTIFY LIST. To remove a volume from the NOTIFY LIST, select it by clicking on it and then click on the "REMOVE" gadget. When a volume is added, it is given a set of default parameters and set to be inactive. To change these, select the volume from the NOTIFY LIST. This will activate the gadgets from which you can change these parameters. You can be notified based on percent usage, free bytes left, or both.

See also Considerations For Timed Notifications.

Notify When Percent Full Exceeds...

~~~~~

This indicates the percent usage at which you would like to be notified. If space usage percent is equal to, or exceeds what you have specified then a notification will be sent. Setting this to 100% is like turning it off.

Notify When Free Bytes Less Than...

~~~~~

This indicates the minimum allowable free space before a notification is sent. If the free bytes on a volumes are equal to or less than what you have specified then a notification will be sent. Setting this to 0 is like turning it off.

Notification Type

~~~~~

You can be notified in one of two ways. An Intuition Requester or a Recoverable Alert. When a notify is given using an Intuition Requester you will be able to turn off notification or continue. From the Recoverable Alert, the notification state is automatically turned off once you click on a mouse button. From either type, QDisk will tell you the device/volume name that triggered the notify, and the current percent usage and free bytes on the drive. Keep in mind that QDisk will NOT try to halt a process that may be saving or copying data to your drive. Ideally, you should set your notifies to occur at such a time that you can stop the program that is using up drive space.

Notify State.

~~~~~

This is used to toggle notification between ACTIVE & IN-ACTIVE for the currently selected volume in the NOTIFY LIST.

## 1.11 considertime

Considerations For Timed Notifications.

~~~~~

Keep in mind that the more volumes you have for active notification the longer it will take QDisk to complete its update cycle. QDisk first scans the AMIGA DOS list and updates its information. Then it checks each active volume you have in the notification list and compares your usage parameters with current usgae for each active volume. In an extreme situation, if your auto update interval was 5 seconds and there were 20 active volumes to be checked for space usage QDisk would be in a constant update cycle since, by the time it has finished its update cycle QDisk will have received another message from the timer device to perform an update. This means QDisk will be using CPU at a constant rate. The best approach is to allow a time period for each active volume you expect to be notified. The length of time will depend on how fast your system is (I.E. 68000 vs 68040). The priority that QDisk is set at should also be considered in this case.

1.12 todolist


```

/                                                                 \
~~~~~
Internet Address...
  normb@gpu.utcc.utoronto.ca

Otherwise Snail Mail Will Do...
  Norman Baccari
  ALGONQUIN SOFTWARE
  35 Walmer Road, Suite 201
  Toronto, Ontario
  CANADA
  M5R 2X3

```

1.16 history

```

/-----\
/                   QDISK HISTORY                   \
\-----/
/*****
**
** PROGRAM NAME   :   QDisk
** ~~~~~
** ORGANIZATION  :   ALGONQUIN SOFTWARE
** ~~~~~
** PROGRAMMED BY :   Norman J. Baccari
** ~~~~~
** DEV SUPPORT   :   "Second Cup" French Vanilla Coffee & lots of bagels.
** ~~~~~
** CREATION DATE :   April 1993
** ~~~~~
** FUNCTION      :   Scan Amiga DOS devices & provide usage report
** ~~~~~
**              :   via WB GUI interface.
**
** REQUIREMENTS  :   OS v2.04 or greater.
** ~~~~~
** HISTORY
** ~~~~~
** May 1994 v2.11 Program Size : 50024
** ~~~~~
** -Fixed enforcer hit. Hit would happen if QD was iconified and
**   a pref window was closed. QD would try to re-activate
**   prefs menu on main window that wasnt attached. (My Fault!).
** -Recompiled QD and made some optimizations. Resulted in reduction
**   in binary size (about 9% smaller).
** -Made some minor changes to some text items.
**
** April 1994 v2.10 Program Size : 54756
** ~~~~~
** -New window: "Usage Graph" shows a scrollable bar graph list
**   of each drives usage.
** -New Pref: "Priority" Sets QD priority +/- 3.
** -New Pref: "Bar Txt Pen" Sets the text pen for text in the bar graph.
** -New Pref: "Bar BG Pen" Sets a background pen for a bar graph.
** -New Pref: "Bar FG Pen" Sets the color of the bar graph.

```

```
** -New Pref: "Sort Devices" Sorts Drive by device name.
** -New Pref: "PubScreen" QDisk will now open on specified Public screen.
** -New Pref: "Show Free Bytes As.." Will format free bytes in kb/mb.
** -New Pref: "Force Main To Front". Will cause Main Window to move
** to front if its open. Ignored if a pref window is open.
** -Detail window now updates itself if open.
** -Graph Bar in detail window now shows % full in the bar.
** -Fixed bug in detail windows bar graph. It wasn't clearing bar
** if you selected a drive that was 0% full.
** -Removed WFLG_ACTIVATE flag from main/iconify window.
** -Removed window height gadget from general prefs.
** -Added new IFF chunk BPNS for Graph Bar Pen Prefs .
** -Added new IFF chunk PRIO for Priority Prefs.
** -Oversight on my part that nobody noticed or didnt inform me of.
** If you changed your prefs and canceled, nothing was actually canceled.
** It was no different than selecting OK. For general prefs this has been
** fixed. Still have to implement this for notification prefs.
** -Preferences file structure had to be redefined as it had a couple
** dead ends that were an oversight on my part. This means prefs prior
** to version 2.10 will not load into QDisk. Sorry!!
** -Re-defined struct PrefsMisc to contain all QDs BOOL flags
** in ULONG variable called Flags. Also added 2 more ULONG's
** just for a little headroom so I wouldnt have to do this again.
** -Window prefs are now saved as an IFF chunk for each window
** versus an array of window prefs in a single chunk.
** -Redesigned prefs editor into 2 menu options/windows to make room
** for more prefs. Consists of general prefs. and notification prefs.
** -Added keyboard shortcuts to menus.
**
** Jan 1994 v2.01 Program Size : 40564
** ~~~~~
** -Rearranged gadgets on prefs editor window and added better label
** to make it more obvious how the percent/free bytes int gadgets work.
** -Forgot to put in Busy Pointer when the "About" option is called
** from the menu. This has been implemented.
**
** Jan 1994 v2.00 Program Size : 39520
** ~~~~~
** -Jumped to version 2.00 from 1.1. (Almost a complete rewrite.)
** -All versions from 2.00 will use standard version notation.
** -All tooltypes removed and replaced with a preference editor.
** -Added as preference the ability to start QDisk Iconified.
** -Added snapshot feature to position windows from PrefEd.
** -Set up the ability to be notified when a drive exceeds space usage.
** -Changed Detail window from using IntuiText type display
** to GadTools text gadgets.
** -Main listview format is now a combination of drive/volume Name.
** -The HASH graph removed.
** -Changed the ABOUT credits listview to simple & brief
** system requester. The old way wasn't worth the overhead.
** -Permanently removed the update button.
** -New iconify routine uses a seperate window instead of the zip
** gadget. Activated by gadget in upper right corner above listview.
** -Replaced main window gadgets with menus.
** -Main window is now resizable.
** -Documentation in AmigaGuide Format.
** -Fixed an enforcer hit caused by NOT using LockDosList().(ouch!)
```

