Disk Busy

COLLABORATORS

	TITLE : Disk Busy			
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		February 12, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

Disk Busy

1.1   Disk Busy 0.9

```
            DISK BUSY 0.9              8th of April, 1998                        ←
                ABOUT


                 About
                 Usage
               Technical
                 Author
               Disk Busy's  purpose is  to provide  a "software LED"  for  ←
                   Amiga's
internal floppy disk drive. It is displayed in a small window on the
default public screen  (normally Workbench).  I guess you could call
it a
              hack
                 .
  I wrote it because I've put my A1200 into a tower case and A1200's
disk drive doesn't have its own LED.

  It uses very little memory,  and you should be able to run it with
any Amiga with OS 2.0 or newer. It works also with UAE. :)


  Disk Busy is Freeware.  This means that you may use and distribute
it  (with this document, please)  as much as you like.  However, you
should keep in mind that
              I
               am the author of it.

  I'll release  Disk Busy 1.0  if I ever  bother to  turn it  into a
commodity and add support for tooltypes.
```

1.2   Disk Busy 0.9

```
            DISK BUSY 0.9              8th of April, 1998                        ←
                USAGE
```

```
                         About
                         Usage
                        Technical
                         Author
                        Currently you  can run  Disk Busy  from  command line  only.  ←
                            Its
arguments are explained here  (all are optional and can be used with
or without the others):


POSITIONX = PX          The  horizontal  position of  the window.  The
                        default value is 1.


POSITIONY = PY          The  vertical  position  of  the  window.  The
                        default value is 1.


SIZEX    = SX           The width of the window.  The default value is
                        the height of the screen's titlebar.


SIZEY    = SY           The height of the window. The default value is
                        the height of the screen's titlebar minus two.


NORMALPEN = NP          The number of colour in the screen's colourmap
                        to be  used in "light"  when the drive  IS NOT
                        busy. The default value is 0 (background pen).


BUSYPEN   = BP          The number of colour in the screen's colourmap
                        to be used in "light" when  the drive IS busy.
                        The default value is 3 (fill pen).



   You can quit Disk Busy by pressing ESC while its window is active.

   If you put Disk Busy in  your Startup-Sequence,  you should insert
it after the  IPrefs command  (just before LoadWB  is a good place).
Remember to 'Run' it, since it doesn't return to CLI until it quits.
```

1.3 Disk Busy 0.9

```
                    DISK BUSY 0.9              8th of April, 1998                     ←
                         TECHNICAL



                         About
                         Usage
                        Technical
                         Author
                        Disk Busy gets the status of the disk drive by checking a bit  ←
                            of a
custom hardware register:


  Register:        ADKCONR
  Address:         DFF010 (hex)
  Type:            Read
```

```
    Chip:          Paula
    Description:    Audio, Disk, Uart, Control read

    Bit:           WORDSYNC
    Number:        10
    Description:    Enables disk read synchronizing on a word equal to
                    DISK SYNC CODE, Located in address DSKSYNC (7E).
```

   When the disk drive isn't busy, Disk Busy waits until the bit gets
set. After this it waits until the bit is not set for 0.5 seconds in
a row, and only after that returns the light to its normal state.
Due to this, the light is usually on for a bit longer period than
the actual disk access takes.

1.4   Disk Busy 0.9

```
            DISK BUSY 0.9           8th of April, 1998                    ←╵
              AUTHOR


             About
             Usage
            Technical
             Author
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```