Floppy

COLLABORATORS			
	TITLE : Floppy		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		January 18, 2023	

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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Floppy

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Floppy.device 4.1

evaluation version

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```
Copyright:
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Warranty:
This software is provided "as-is" and subject to change
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Shareware:
Evaluation version may be freely redistributed but
comletely and unmodified. This archive may not be altered
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in any way and cannot be used for commercial purposes
without the written permission of the author.
The license of the registered version is per user for
non-business home use, and per machine for companies.

1.3 introduction

Introduction

Floppy.device is a replacement for trackdisk.device.

Features

- Trackdisk compatible.
- Faster than trackdisk.
- Format capacities are 1.12MB/2MB.

1.4 requirements

Requirements:
Kickstart 3.0, M68020

Tested at these systems:
A1200

1.5 installation

Installation

Execute the install script from WorkBench. Script just
installs for unit 0. For others you should copy FS0 file
and change the unit numbers in the files.

If you selected 'FS0:' in the install, double click the FS0
icon in the Sys:Devs/DosDrivers to mount the drive or enter
the command:

Mount FS0:

MultiFileSystem Users

After reboot, you can enter the following commands to format
a disk from floppy.device:

(if disk is already formatted from floppy.device)
Format drive DF0: name x <quick> <noicons>

```
(safe method to any disk formatting from floppy.device)
Format drive DF0: name x <quick> <noicons> fs=DOS\5
```

```
From cli, you should not use
OFS/FFS/INTL/NOINTL/DIRCACHE/NODIRCACHE
options because MFS will change the filesystem to DOS\0.
```

```
From WorkBench, you must select filesystem DOS\5 and
FFS/DIRCACHE options.
```

1.6 hints and tips

```
                    Hints And Tips
```

- Old track formats are not supported.

- 'Avail flush' command removes the device from memory
  if it is closed.

- You cannot use hd disks in dd mode.

- Evaluation version puts alert messages periodically,
  if you want to see the alerts in vga mode, you can use
  aminet/disk/misc/Orpsw2.lha.

1.7 programing info

```
                    Programing Info
```

- AbortIO() function returns IOERR_NOCMD.
- ETD_XXX, TD_RAWREAD, TD_RAWWRITE commands are not supported.
- DiskChange interrupt works for all devices.
- A private FastFileSystem structure will be patched for
  removable flag.
- A private trackdisk structure will be patched to using
  cylinder 80/81.
- TD_REMOVE command is supported but should not be used.
- You must call TD_GETGEOMETRY whenever disk inserted.
- Do not forget to update before TD_MOTOR-off command.
- TD_FORMAT command additionally updates & clears buffers
  but not verifies.
- CMD_UPDATE and CMD_WRITE commands verify the written track.
- Sector checksum & track number will be checked in read op.
- No drive clicks.
- Retry count is one (for read/write/update operations).
- There are two track buffers (lower and upper sides of
  current cylinder).
- Normally track buffers are not affected by disk changes,
  but when density is changed (dd to hd or hd to dd) buffers
  will be cleared.
- FastFileSystem will call CMD_UPDATE and CMD_CLEAR commands
  whenever disk inserted or removed (if it is mounted).

```
 When removed and buffers were not updated disk-light will
 blink and buffers will be cleared.
```

1.8   registration

```
                         Registration

The price of registered version is US$30. Send the payment
and email the following lines (do not send mail).

   Name:
   Address:
   Email address:
   Amiga system (type, boards, etc.):

Payment types:  Postal money order
                International bank check
                (do not send personal or euro-check)

The check or money order must be made payable to:
Name:    Orhan Dagistanli
Address: Alpaslan sk 2/4 Balcova Izmir TURKIYE

After the transfer has arrived i will reply to you
my ftp address and its password (via email). You will
find the registered version on it. Also when i will
releas a new version i will put it and inform to you.

Email: prohst03@vm.ege.edu.tr (OR)
```