

**Floppy**

<b>COLLABORATORS</b>
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	<i>TITLE :</i> Floppy		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		July 20, 2024	

<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

# Floppy

## 1.1 Contents

```
Floppy.device 2.0  
~~~~~  
evaluation version
```

Floppy.device is a replacement for trackdisk.device.  
This program is shareware.

```
Copyright  
Requirements  
Features  
Installation  
Hints and tips  
Registration  
Programing info  
History
```

## 1.2 copyright

### Copyright:

Floppy.device is Copyright © 1994-1996 by Orhan Dagistanli.  
All rights reserved.

### Warranty:

This software is provided "as-is" and subject to change  
without notice; no warranties are made. All use is at your  
own risk. No liability or responsibility is assumed.

### Shareware:

Evaluation version may be freely redistributed but  
comletely and unmodified. This archive may not be altered  
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 requirements

Requirements:

Kickstart 3.0, MC68020

Tested at these systems:

A1200, Chinon/Teac/Mitsumi/Sony drives

## 1.4 features

### Features

Trackdisk compatible.

18% faster than trackdisk.

Format capacity is 1040KB/2080KB.

Nonbootable.

## 1.5 installation

### Installation

Execute the install script from WorkBench. Then double click the FS0 icon in the Sys:Storage/DosDrivers to mount the drive or enter the command:

```
Mount Sys:Storage/DosDrivers/FS0
```

Also you may use the device standalone ofcoz.

### Ami-FileSafe Users

Because of the current release of AFS (v2.2) and early does not support the Floppy.device for dd/hd switching you have a choose dd or hd. Update 'BlocksPerTrack' member of floppy mount entry (FS0 file) to 13 or 26. This will be not changed later dinamically and you cannot use both dd and hd disks within one mount entry.

## 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.
-

- Physical track range must be 12620<>12748 (normally 12660) bytes for double density and 25190<>25478 bytes for high density. You can use the util 'TrackLen' for checking.

## 1.7 registration

### Registration

The price of registered version is US\$20. Send the payment just in bank draft, than email the following lines:

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

The bank check 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 address:  
Bitnet: prohst03@tlearn (OR)  
Internet: prohst03@vm.ege.edu.tr (OR)

## 1.8 programing info

### Programing Info

- No blitter used.
  - 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 dd/hd switching.
  - 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. You must use CMD\_READ after them for verifying.
  - 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 buffer (lower and upper sides of current cylinder).
  - Normally track buffers are not affected by disk changes.
-

But if the 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.

## 1.9 history

### History

V1.0: First release in 1994. It used blitter and formatting to 960KB.

V1.1: Bootable & nonbootable minor versions added.

V1.2: No blitter used. Speed increased.

V2.0: Again nonbootable because of it is not really necessary. Double and high density disks supported. Format capacity increased to 1040KB/2080KB.