

Device Side Data

Model FC5025

USB 5.25" Floppy Controller

Installation and Operation Manual

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Introduction

Thank you for purchasing the Device Side Data FC5025 USB 5.25" floppy controller. The FC5025 connects a 5.25" floppy drive to your computer's USB port, allowing you to read a wide variety of disks. This document explains how to install and use your FC5025.

Installing the FC5025

Static electricity can damage computer equipment; to prevent this, wear a grounded wrist strap while installing your FC5025.

Plug the included floppy cable and USB cable into the FC5025's connectors. The red stripe on the floppy cable should be on the side nearest the USB connector.

The FC5025 is designed to install in a hard disk bay. The top side of the board is the side with the connectors, and the brackets are on the bottom side. Hold the board in place with one of the brackets aligned to a hard disk mounting hole and partially screw in the mounting screw, then repeat for the other bracket. Hold the board horizontal and tighten the screws to fasten the board firmly in place.

Plug the free end of the USB cable into an internal USB port. If your computer does not have any internal USB ports, you may add one with a PCI add-on card. Also, your motherboard may have USB pin headers which can be converted into a USB receptacle with the right cable.

Connect any of the unused connectors on the floppy cable to the floppy drive. Each FC5025 can control only one drive. Before installing the floppy drive, jumper it as follows. Also connect power to the floppy drive.

Jumper settings for TEAC FD-55GFR-7149, FD-55GFR-7193 and FD-55GFR-7220

<i>Setting</i>	<i>Description</i>
D1 closed,	DRIVE SELECT 1
D0,D2,D3 open	
U0, U1 open	DRIVE SELECT turns on front panel LED
IU open	No IN USE input
DC closed,	Pin 34 is DISK CHANGE output
RY open	
LG open	MODE SELECT polarity is normal
I open	Single speed mode (360 RPM)
E2 closed	Index pulses continue during seek

If using a different model of drive, make the equivalent jumper settings according to the above descriptions and your drive's documentation.

Notice regarding Radio Frequency Interference

The FC5025 is a subassembly, as defined in 47 CFR Section 15.101(e). It is intended to be installed within an FCC compliant computer or similar enclosure. As the system integrator, you are responsible for installing the FC5025 in a manner that does not interfere with TV and radio reception.

Installing the included software - Linux

To compile the Linux software, you must have gcc, make, binutils and libusb 0.1.12 installed. Extract the source code from the Source_Code directory of the included CD-ROM, cd to the backend directory and run make, then cd to the cmd directory and run make.

To compile the GUI, you will also need GTK 1.2. cd to xdib and run make.

Installing the included software - Mac OS X

To install MacDIB, navigate to the Drivers folder on the included CD-ROM, open FC5025_MacOSX_Setup.dmg, and drag MacDIB to the Applications folder.

Optionally, you may also install the command line tools. You only need to do this if you want to read disks from the Terminal window. To install the command line tools, double-click FC5025 Command Line Tools (optional).pkg. If you are running Tiger, add the following two lines to your .profile:

```
export PATH=$PATH:/usr/local/bin
export MANPATH='manpath':/usr/local/man
```

Installing the included software - Windows

If you boot your computer with the FC5025 connected before installing the drivers, the Found New Hardware Wizard will appear. If this happens, cancel the wizard.

To install the drivers, navigate to the Drivers folder on the included CD-ROM and double-click FC5025_Windows_Setup.

After installing the drivers, reboot your computer. The Found New Hardware Wizard will appear and ask to connect to Windows Update. Select "No, not this time" and click Next. On the next screen, select "Install the software automatically" and click Next. Installation will then complete.

Using the graphical Disk Image and Browse tool

To start the Disk Image and Browse tool under Linux, execute `xdib`; on Mac OS X, open the Applications folder and double-click `MacDIB`; under Windows, open the USB Floppy program group in the Start Menu and click on Disk Image and Browse.

If you have more than one FC5025 connected, you may select which one you want to use. Select the type of disk you want to read. You can then either click Browse to copy individual files from the disk (for some formats only), or enter a directory and filename and click Image to make an image copy of the entire disk.

Using the command line tools

The command line tools are `fcbrowse`, `fcdrives`, `fcformats` and `fcimage`. Each has a manual page detailing its use. To see the manual pages, use the `man` command.