FUJI●●NET
Apple II

The One Sheet Startup Guide for FujiNet

Welcome to Your New FujiNet

• The FujiNet is for use in Apple IIc, IIc+ and IIgs systems.

• Use in other Apple II systems is not supported without an additional SmartPort card (not included).

• The FujiNet uses USB-C for flashing and monitoring debug messages. A USB-C cable is not included.

• A SD flash card is included and is already inserted into your device.

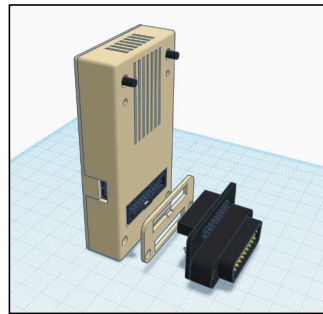*• More Info, support links, firmware flasher is available at: https://fujinet.online*

• Attach the FujiNet to the floppy port of your system, use the screws to hold the FujiNet in place. Do not over-tighten the screws.

• Your FujiNet is already flashed with recent Firmware.

• The FujiNet will obtain power from the Floppy port and power itself when the Apple is turned on. There is no power switch for your FujiNet.
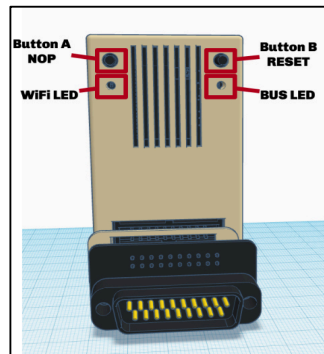
The FujiNet device has four pieces:
• The FujiNet
• The Spacer
• The DB19 adapter
• 2 x mounting screws

The FujiNet device has two LEDs:
• Left, white for wifi connectivity
• Right, orange for bus access

The FujiNet device has two buttons:
• Left, A button - currently nothing
• Right, B button - Reset device

Startup Up

The first time you boot FujiNet CONFIG it will prompt you to connect to WiFi. You can select your WiFi network and enter the passphrase. This information is saved internally and if an SD card is present will be saved there also to a file called **fnconfig.ini**.

FujiNet is powered by the Espressif ESP32 chipset, which works on 2.4GHz WiFi networks *only*. If you are using a "mixed" 2.4GHz/5GHz WiFi network (using both radio bands with the same SSID), it should work. Having a strong signal is critical for consistent loads.

CONFIG was designed to be intuitive and reminiscent of Apple2 programs like ProDos. On the main **CONFIG** screen you will see host slots on top and disk slots on bottom. You can jump between the host slots and disk slots with **TAB**. Selecting a host slot (**RETURN**) will begin the process of selecting and mounting a disk image from the host to an emulated disk drive.

Hosts can be an IP address or hostname of a TNFS server (eg, **apps.irata. online**, **fujinet.diller.org**, **tnfs.fujinet.online**). Any host can also be named SD which points to the onboard SD card socket. With a host entry selected, press [E] to edit it.

Hosts

SmartPort Drives

DISK II Drives

Commands

Image Type

File Information

Commands

Drive #   (R)ead (W)rite   Mounted from Host   Image Name

Drive #   (R)ead (W)rite   Mounted from Host   Image Name

Hosts are remote locations that contain disk images that the FujiNet can mount as a disk drive. They can be remote or something local that you have setup.
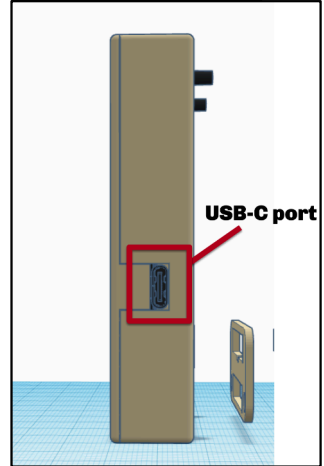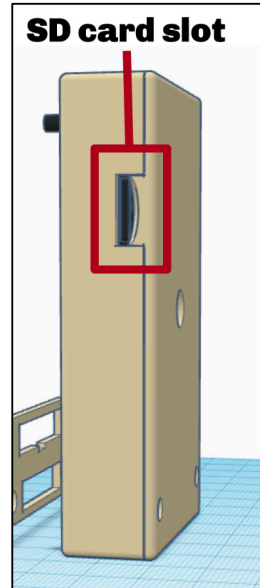
Commands:

1-8 - Jump to a Host
E - Edit a Host
RETURN - confirm selection
Config - go to config screen
TAB - jump between Hosts and Drives
SPDrives - jump to SP Device Screen
ESC - boot from Drive 1

Disks:

There are two types of disk that can be mounted: Regular disk images (PO, DO, HD) can be read and writable. These are mounted in the SmartPort Drives.

WOZ and flux-type images must be mounted in the DISK II Drive, these are read-only.

Mounted Disks:

Each mounted disk has status information shown on the screen.

The Drive number shows the emulated drive number presented to the host. Apple will only boot from Drive 1.

R/W status shows if the disk is mounted as Read or Writable.

The H number shows from which Host the disk is mounted.

SD card slot

USB-C port

The SmartPort Device list shows all the currently configured SmartPort devices presented to the OS. In this screen only the FujiNet is attached and all those devices are actually on the FujiNet!

Remove the DB19 adapter by holding the PCB and gently rocking back and forth.

Do not squeeze or pull on the DB19 hood itself- it's delicate and will crack or break apart.

Quick Tips

Web

Your FujiNet makes available a simple web-based configuration interface when you visit your device's IP address while it's powered on.

To find the IP address, use the [C] "Show Config" option, available in the main screen of the CONFIG program. Note the IP address of the FujiNet. Browse to that address with a browser on the same network.

IIGS Booting

On Apple IIGS you can set boot device as Port 5 (SmartPort) by entering into the Control Panel at boot (Ctrl-OA-ESC). Choose Disk and set startup disk to Slot 5. Now your Apple IIGS will auto-boot even if you have other devices connected..
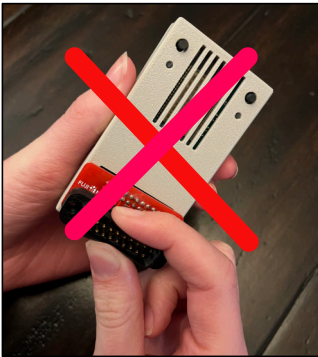
Capitalization

On Apple systems with lower case ensure you are using UPPERCASE when adding new Hosts.

40 / 80 Columns

On Apple systems that support 80 columns select 40 columns. FujiNet's CONFIG will work in 80 columns but it will not look good.

Apple II Keyboard Commands

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Keys                              Function
-------------------------------------------------------------
Ctrl-OA-Reset                     Reboot
Ctrl-Shift-OA-Reset               Reboot and re-load BRAM (ROM 03)
Ctrl-OA-OPT-Reset                 System test (OA-OPT to repeat)
Option while power-on             Menu to Reset standards
Ctrl-OPT-Reset                    Reboot and give menu
Ctrl-OA-ESC                       Go to control panel
Ctrl-OA-Shift-ESC                 More direct to control panel
Shift 5 times                     Enable sticky keys (ROM 03 or Sys 6)
Shift-OA-Clear                    Enable keyboard mouse (ROM 03 or Sys 6)
Ctrl-OA-Del                       Clear keyboard type-ahead buffer
Hold OA, then Ctrl-Del            Auto fire Button 0
Shift-Period on keypad            Comma
Ctrl-OA-2 in GS/OS desktop app    Select "About.."
Control-6, then <key> in BASIC    Set cursor to <key>
Ctrl-OA-OPT-N  at sliding Apple   Credits
         (i.e "Check Startup" screen)
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