

FUJINET Atari 8

Version 1.0 | March 2024

The One Sheet Startup Guide for FujiNet

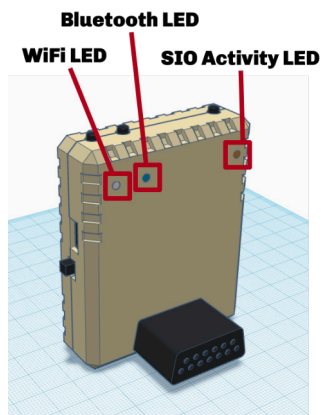
Welcome to Your New FujiNet

*The FujiNet is for use in all
Atari 8bit systems with at least
32k ram*

- Your Atari only boots from disk drive #1
- If you hold the [Select] key on the Atari as it boots, FujiNet won't automatically connect to the last configured WiFi, and allow you to immediately configure a new network
- The FujiNet uses USB-C for flashing updates and monitoring debug messages. A USB-C cable is not included.
- A SD card is included and is already formatted and ready for use in the FujiNet.
- Your FujiNet is already flashed with recent Firmware.
- The FujiNet will obtain power from the SIO port and power itself when the Atari is turned on
- More information, support links, and the firmware flasher is available at: <https://fujinet.online>

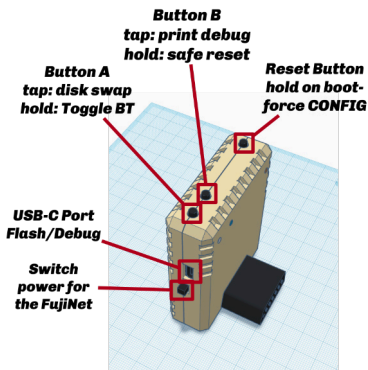
The FujiNet device has three LEDs:

- White for wifi connectivity
- Blue for BT connectivity
- Orange for SIO access



The FujiNet device has three buttons:

- A button - disk swap/toggle bluetooth
- B button - debug/safe reset
- Reset button - reset FujiNet



Startup Up

The first time you boot FujiNet CONFIG it will prompt you to connect to WiFi. You select your WiFi network and enter the password. This information is saved internally for subsequent boots.

Hold [SELECT] Key on the Atari when booting to bypass saved WiFi config and force it to scan for all available networks.

About FujiNet

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 fine. Having a strong signal is critical for consistent loading times.

CONFIG was designed to be intuitive and helpful. 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). The first host is named SD which points to the inserted SD card. With a host entry selected, press [E] to edit it.

```

HOST LIST
1 SD
2 tnfs.fujinet.online
3 apps.irata.online
4 fujinet.ataris8bit.net
5 Empty
6 Empty
7 Empty
8 Empty

DRIVE SLOTS
1 Empty
2 Empty
3 Empty
4 Empty
5 Empty
6 Empty
7 Empty
8 Empty

1-8 Slot [E] dit RETURN Browse [L] lobby
[C] onfig [TAB] Drive Slots [OPTION] Boot
    
```

Hosts

Virtual Drives

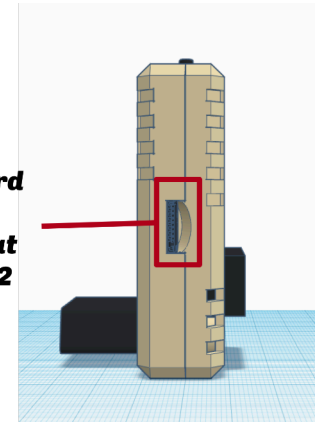
Commands

Hosts are remote locations that contain disk images that the FujiNet can mount as a disk drive. They can be remote or local. IP addresses or DNS names can be used.

Commands:

- 1-8 - Drive Slot
- E - Edit a Host's Name
- RETURN - browse files on Host
- Config - go to config screen
- TAB - jump between Hosts and Drives
- Lobby - launch Lobby app
- OPTION - boot from Drive 1

SD Card Slot format FAT32



```

1-8 Slot [E] dit RETURN Browse [L] lobby
[C] onfig [TAB] Drive Slots [OPTION] Boot
    
```

IP address - connect to this with browser

```

#FUJINET CONFIG
SSID: DUMMY Cafe
IP Address: 127.0.0.1
gateway: 0.0.0.0
DNS: 1.1.1.1
Netmask: 255.0.0.0
MAC: D0:1C:ED:C0:FF:EE
BSSID: D0:1C:ED:C0:FF:EE
Version: v1.2

[RECONNECT] [CHANGE SSID]
Any other key to return
    
```

Disks:

FujiNet can mount and boot all .ATR type disk images (which contain DOS system files).

You can create new disk images on the SD card and mount them [W]rite to save any data you need

Fujinet can mount .XEX binary files and will dynamically create and boot a virtual ATR for you.

```

DISK IMAGES
Host: tnfs.fujinet.online
File:
Path: /ATARI/FujiNet-Apps/

CHATARI-0.8-IRC-Client.atr
Covid.xex
election.atr
fn-contiki-browser.atr
fujinews.xex
fujitalk.xex
linguaxE_v0.3.atr
neon-ndevic.atr
MCZ20091.BAS
weather.atr
wikipedia.xex
www.atr
YAIL.XEX

[DELETE] Up Dir New Filter Copy
[RETURN] Choose [OPTION] Boot [ESC] Abort
    
```

Host and Path

Directory Listing

Selected Image

Commands

Mounted Disks:

Each mounted disk has some status shown on the main screen.

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

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

```

HOST LIST
1 SD
2 tnfs.fujinet.online
3 apps.irata.online
4 fujinet.ataris8bit.net
5 Empty
6 Empty
7 Empty
8 Empty

DRIVE SLOTS
2 1R YAIL.XEX
3 1R YAIL.XEX
4 1R YAIL.XEX
5 1R YAIL.XEX
6 1R YAIL.XEX
7 1R YAIL.XEX
8 1R YAIL.XEX

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



Game Lobby

```

1-8 Slot [E] dit RETURN Browse [L] lobby
Boot Lobby Y/N?

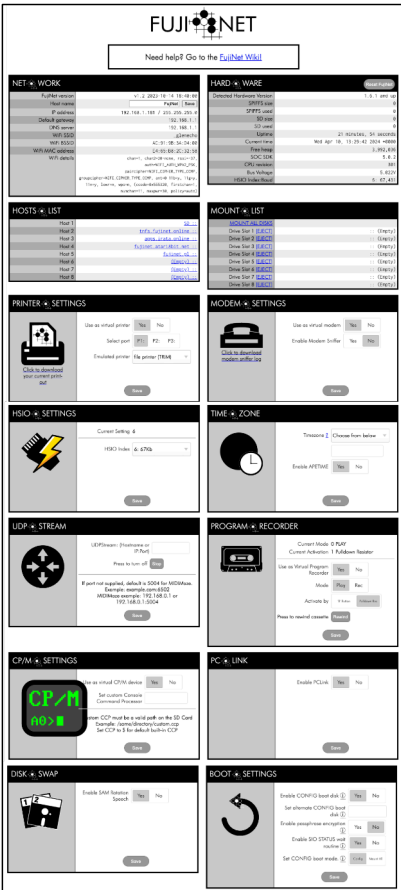
#FUJINET GAME LOBBY
Enter a user name and press RETURN
>

#FUJINET GAME LOBBY
Frank
5 CARD STUD ONLINE 0/8
The Den
5 CARD STUD ONLINE 0/8
The Basement
5 CARD STUD ONLINE 0/6
The Red Room - 2 bots
5 CARD STUD ONLINE 0/4
The Blue Room - 4 bots
5 CARD STUD ONLINE 0/2
The Green Room - 6 bots
>[Lobby]>[Frank]>joined the channel

Pick a server, hold [OPTION] to boot game
Refresh list - Change your name
Shout [ZOOM] into chat
    
```

CONFIG has a special command Lobby- this will launch a separate application called Lobby for the FujiNet Game System and show available multiplayer games





New Floppy



**New floppy
is mounted
[W]riteable**

**Size of
Floppy**

Create a blank, writable floppy image on the included SD card.

- Choose the SD host and press enter
- Choose N for a new floppy
- Choose a size - 90k is standard
- Provide a name for the floppy
- Mount the floppy in a drive other than 1 (which will boot)
- Ensure you mount [W]riteable
- Save your data on the floppy

Web Config

Your FujiNet makes available a sophisticated 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.

Using this you can configure:

- Explore TNFS hosts
- Mount and unmount disk images
- Virtual Printing (model to emulate)
- Virtual Modem
- HSIO - high speed SIO settings
- Time and Time Zone info
- UDP streaming
- Virtual cassette
- CP/M emulation
- PC-Link
- Swapping disk slots
- Boot settings - for SpartaDos and others

