



FON Liberator

The FON Liberator's Objective

- This project will develop a new component for *La Fonera* Social Router, that allows users to channel their uploading/downloading activities to the router, thus liberating the user's personal computer from having to perform these burdensome tasks.



La Fonera Specs



- **USB 2.0** connector
- **OpenWRT** operating system
- Bundled **web server**



Storage Devices

- USB external devices (Hard disk, Flash card, ...):
 - **Bittorrent client** downloader
 - **Share the files to the network** using NetBIOS protocol
 - **Upload queue** for popular web services (flickr, youtube...)
 - **Music server** for streaming your audio library via WiFi



Bittorrent Client

- La Fonera's bittorrent client installation
 - **Swap directly to the external device**, so it can run programs and manipulate data files that are larger than router's main memory.
- Web-based administration panel (accessible from the Internet) :
 - **Manage downloads** (add torrents, cancel or tweak them)
 - AJAX powered status page for **real-time progress monitoring**



File Server

- NetBios server (samba) on La Fonera in order to provide access to the downloaded files for all the network users.
- Web administration interface:
 - Select the **folders/files to be shared** as well as set their **access rights** (read only, password protected, ...).
 - **File system management** (create/remove files & folders)
 - Easy & secure access to your files from the Internet. La Fonera will host your personal online storage space.



Uploads

- As a user, you will enter your **account credentials** on the web panel and **select the files that you want to upload** to each service.



Music Server

- Stream the mp3 files stored on the USB disk or on your iPod through WiFi and play them on iTunes or on a network music player gadget.



HAVE
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Thank You!

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