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A fully functional PirateBox on a MR3020

PirateBox is a self-contained mobile communication and file sharing device. Simply turn it on to transform any space into a free and open communications and file sharing network.

Share (and chat!) Freely! Inspired by pirate radio and the free culture movements, PirateBox utilizes Free, Libre and Open Source software (FLOSS) to create mobile wireless communications and file sharing networks where users can anonymously chat and share images, video, audio, documents, and other digital content.

Private and Secure! PirateBox is designed to be private and secure. No logins are required and no user data is logged. Users remain completely anonymous - the system is purposely not connected to the Internet in order to subvert tracking and preserve user privacy.

Easy to Use! Using the PirateBox is easy. Simply turn it on and transform any space into a free communication and file sharing network. Users within range of the device can join the PirateBox open wireless network from any wifi-enabled device and begin chatting and sharing files immediately. See the short video demonstration below for more details.

## You need

- TP-Link [MR3020](#) +- 30€
- USB Stick [64GB](#) (Can be less, but hell, you need some storage!) +- 60€
- PirateBox [sticker](#) +- 5€
- Everything else is a bonus.

## Installation on a MR3020

Download [firmware Image](#).

Download [PirateBox](#)

Follow the instructions from [PirateBox 1.0 OpenWrt DIY](#)

## Further Software

### Datenhangar



A good file directory listing script is [Datenhangar](#). That's a Perl cgi script which allows you to even set passwords on directories. It runs without a problem on a piratebox.

## vsftpd

Piratebox has no FTP access by default. To change this, you can install vsftpd. Why vsftpd? Because it's probably the most secure and fastest FTP server for UNIX-like systems.

Here's my config for the PirateBox: <sxh bash;> background=YES listen=YES

anonymous\_enable=YES anon\_root=/home/ftp/ anon\_upload\_enable=YES  
anon\_mkdir\_write\_enable=YES

local\_enable=YES write\_enable=YES local\_umask=022 check\_shell=NO chroot\_local\_user=YES  
allow\_writeable\_chroot=YES

dirmessage\_enable=YES ftpd\_banner=PirateBox - Share Freely

session\_support=NO </sxh>



As you see, you need to bind /home/ftp with the path to your mounted USB stick

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