



**LIBRARY**

**BOX**

**Infopeople Webinar**  
**LibraryBox for Libraries**  
November 12, 2014

**Portable  
Private  
Digital  
Distribution**

Open Source

+

Commodity Hardware

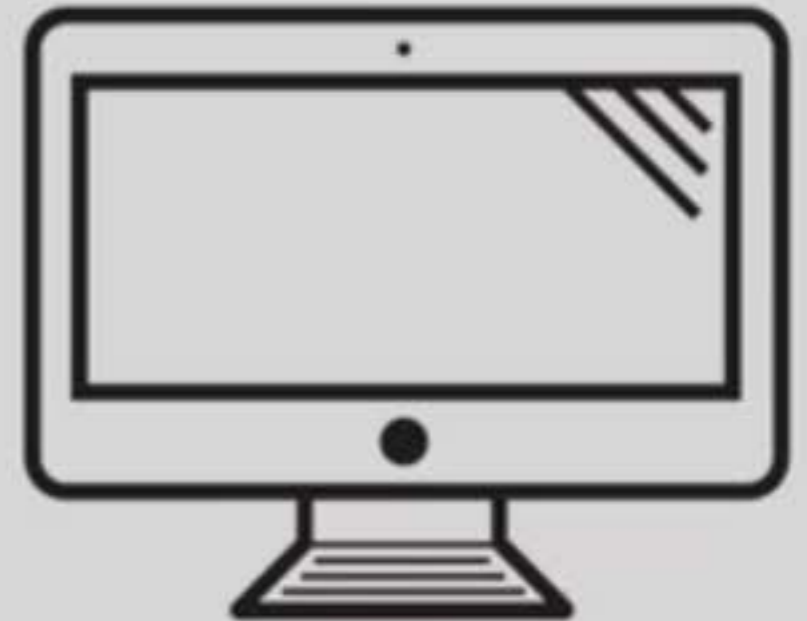
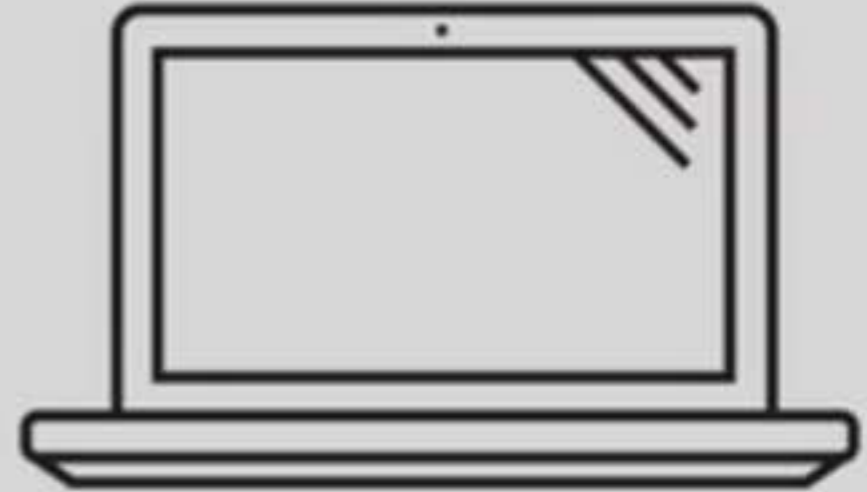


LIBRARY

BOX

v2.0

<http://librarybox.us>





**History**

**LibraryBox v1**





LIBRARYBOX

NUCLEON

**LibraryBox v1.5**



# Building a LibraryBox v1.5

- ❖ Flash MR3020 with OpenWRT
- ❖ Install Piratebox 0.3.2
- ❖ Run LibraryBox install from USB drive

**LibraryBox v2.0**

- ❖ **Statistics**
- ❖ **Even easier installation**
- ❖ **More responsive/mobile friendly**
- ❖ **Easily customized landing page**
- ❖ **More hardware choices**
- ❖ **Alternative power**

**KICKSTARTER**

# LibraryBox 2.0

by Jason Griffey

Home

Updates 15

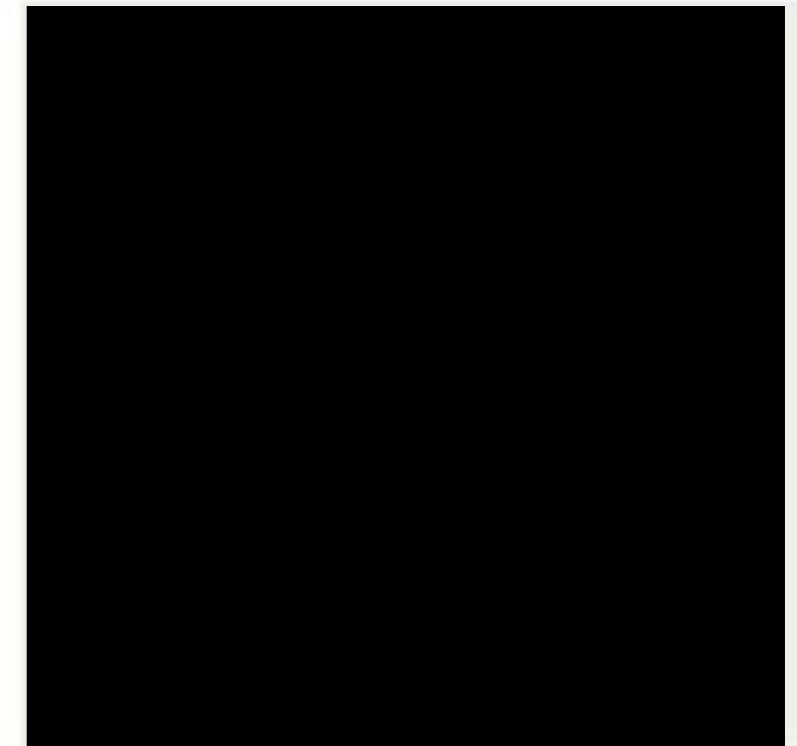
Backers

Comments 23

Chattanooga, TN

Technology

**Funded!** This project successfully raised its funding goal on Jul 28.



### Funding period

Jun 28, 2013 - Jul 28, 2013 (30 days)



**Jacob Negley, Rachel Vacek,**  
and 1 more person you follow  
are backers.



Project by

**Jason Griffey**  
Sewanee, TN

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TRANSFORMING OUR LIBRARIES, OURSELVES

REGISTER NOW!

Contact Us Help Login



INSIDE ALA13



REGISTRATION



HOTELS & TRAVEL



IN THE EXHIBIT HALL



SCHEDULER



GENERAL INFO



MAKING YOUR CASE TO ATTEND

## RESOURCES FOR

- Exhibitors
- First Timers
- Job Seekers/Employers
- Organizers/Speakers
- Press



HEADLINES



**\*\*** All attendees who were registered for the full conference will receive an email in late summer with a link to the recordings archive. We also asked presenters to upload their handouts and presentations to their session record in the Scheduler, so check the list of **Sessions with Handouts** to see what's available now.

# Funding progress



# Funding progress



# Funding progress



# Funding progress





networking  
distance learning  
standards digital technology  
publishing  
**libraries**  
volunteers interest groups  
ERM  
heads of libraries  
open catalog committees  
RFID  
education BIGWIG  
open source emerging technology  
programs imagineering  
internet resources

BCIX

FORMATION



Roll over for info.

**2013 C-MAX Energi Plug-In Hybrid**

Fuel efficiency\*\* and mobile connectivity.

EPA-estimated rating of **108** city MPGe

Learn More

Build & Price

# LibraryBox: kickstarting the next version of a self-contained wireless library file-server

Cory Doctorow at 6:10 pm Sun, Jun 30, 2013

75

Like

87

Tweet

Submit

Submit

12

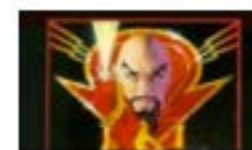
+1

Kindle



LibraryBox is a library-oriented version of the PirateBox project – a little, self-contained wireless router with on-board storage that you fill up with freely usable library materials and bring with you so that wherever you go, you can share with the people you meet. Jason Griffey, the librarian who created it, is Kickstarting a version 2.0 that is much easier to set up and run. A \$150 contribution gets you a fully assembled unit. Jason was kind enough to give me a box this

— FEATURED —



**REVIEW**  
Flash Gordon (1980)



**FEATURE**  
Zouk Bass: a musical primer with DJ Umb of Generation Bass



**GAME REVIEW**  
Of Dice and Men: The Story of Dungeons & Dragons and The People Who Play It



**being being**  
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in partnership with  
2013 FORD  
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AUGUST 17-18, SAN FRANCISCO



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**MARK FRAUENFELDER**  
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**XENI JARDIN**  
**@XENI**

**ROB BESCHIZZA**  
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**MAGGIE KOERTH-BAKER**  
**@MAGGIEKB1**

**JASON WEISBERGER**  
**@JLW**



**Boing Boing**   
**@BoingBoing**

LibraryBox: kickstarting the next version of a self-contained wireless library file-server  
[dlvr.it/3bMV1b](http://dlvr.it/3bMV1b)

Reply Retweet Favorite More

**24**  
RETWEETS

**18**  
FAVORITES



6:25 PM - 30 Jun 13

### Don't miss any updates from Boing Boing

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Search



Have an account? [Sign In](#)



**Cory Doctorow** ✓

@doctorow

Follow

I just backed LibraryBox 2.0 on  
[@Kickstarter kck.st/19Cq8Z3](https://kck.st/19Cq8Z3)

Reply Retweet Favorite More

**Kickstarter**



**LibraryBox 2.0**

Share files with anyone, anywhere...off the Internet, even off the power grid...with LibraryBox.

[View on web](#)

12

RETWEETS

15

FAVORITES



6:13 PM - 30 Jun 13

Flag media

# Funding progress



# Funding progress



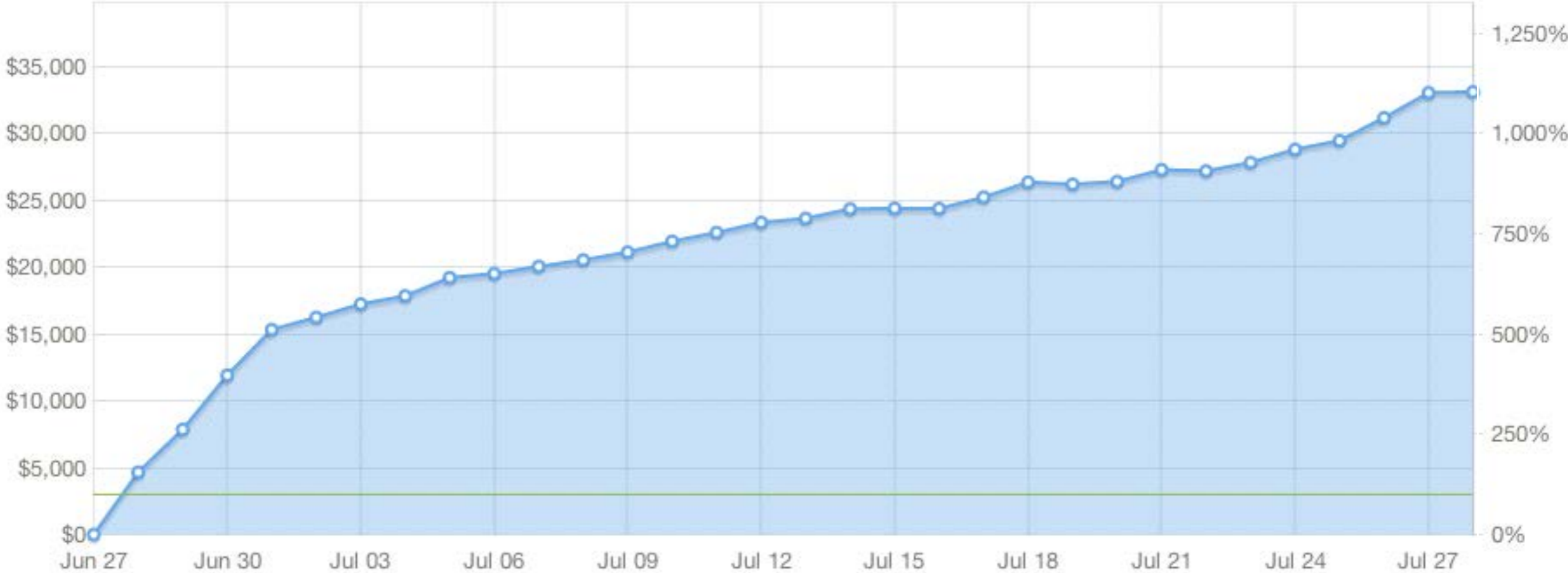
### Funding progress



# Funding progress



# Funding progress



# LibraryBox 2.0

by Jason Griffey

Home

Updates 15

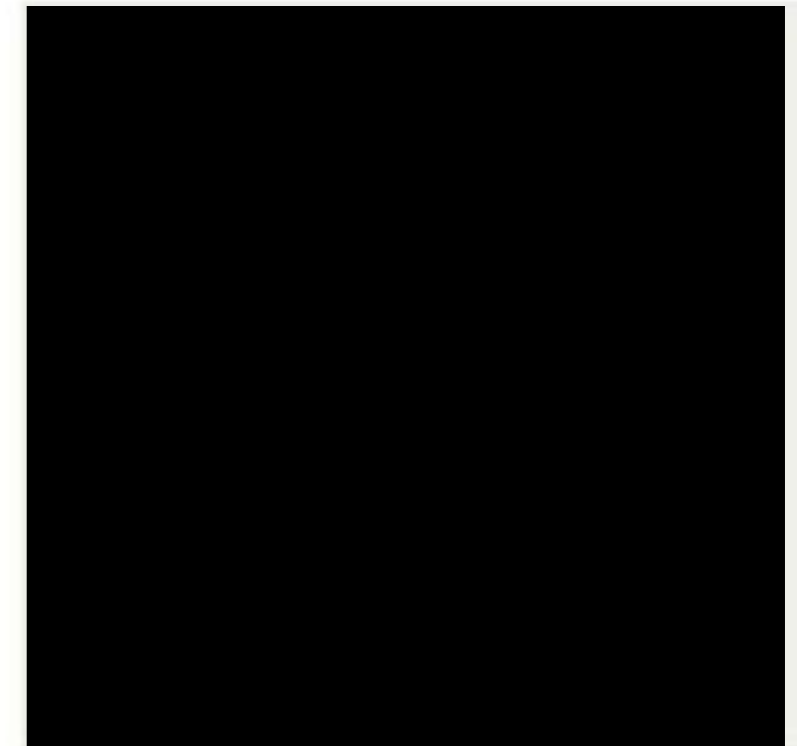
Backers

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and 1 more person you follow  
are backers.



Project by

**Jason Griffey**  
Sewanee, TN

f Share   Tweet  Embed

# LibraryBox 2.0

by Jason Griffey

Home

Updates 15

Backers 471

Comments 23

Chattanooga, TN

Technology

**Funded!** This project successfully raised its funding goal on Jul 28.



## 471

backers

## \$33,119

pledged of \$3,000 goal

## 0

seconds to go

Funding period

Jun 28, 2013 - Jul 28, 2013 (30 days)



Jacob Negley, Rachel Vacek,  
and 1 more person you follow  
are backers.



Project by

**Jason Griffey**  
Sewanee, TN

f Share Tweet Embed



**LibraryBox v2.1**

**KF Knight Foundation**

**Localization/Internationalization**

**Open Hardware**

**Server-Side Media Rendering**

**English**

**French**

**Swahili**

**Swedish**

**Spanish**

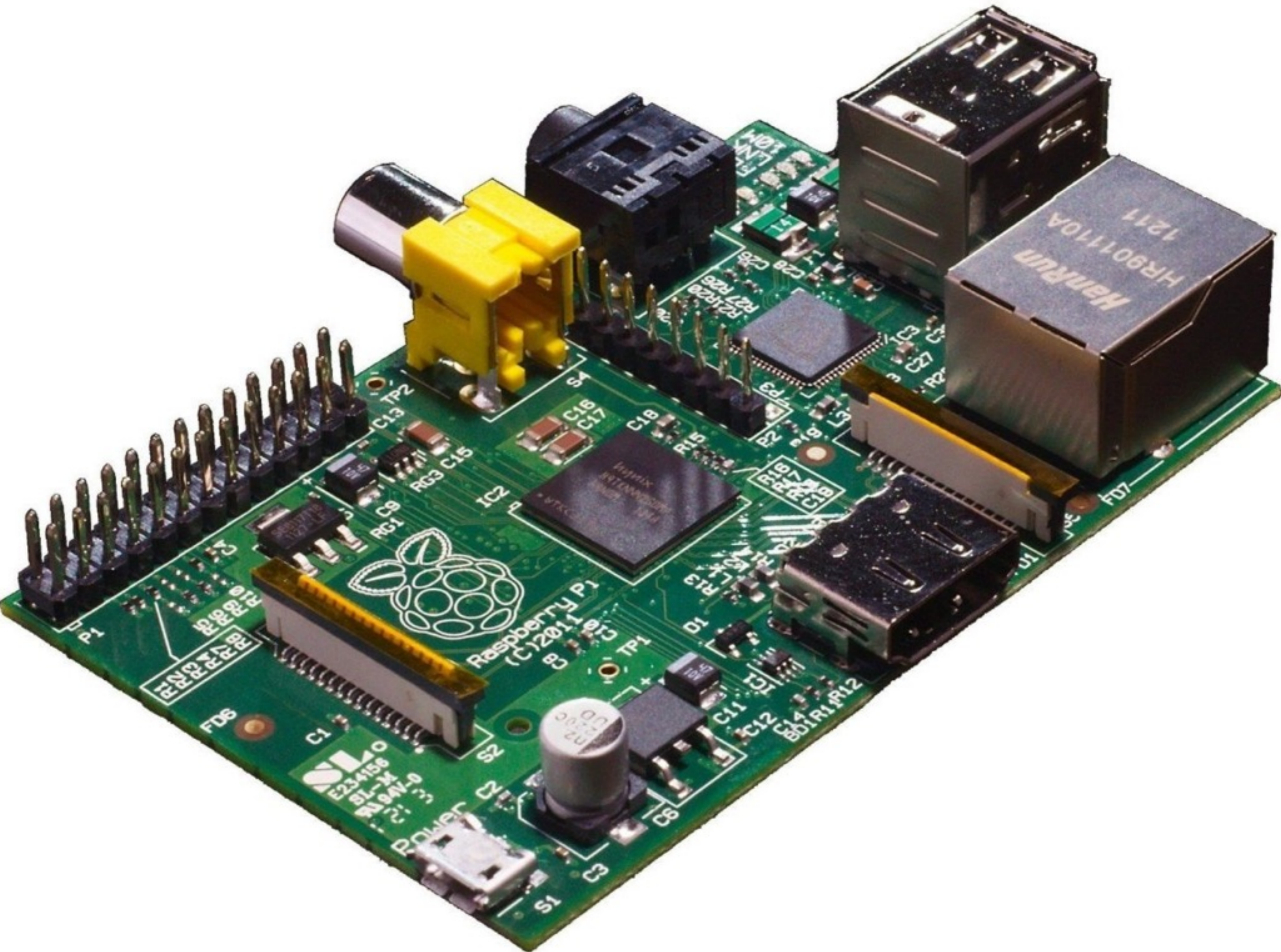
**Norwegian**

**Korean**

**German**

**Italian**

**Portuguese**



# Media Rendering



SM

dina®



**Building Your Own**



## Building Your Own LibraryBox v2.0...

[Equipment Needed](#)

[Step One: Download & Install LibraryBox](#)

[Set Password](#)

[Optional: FTP, Sync, & Advanced Setup](#)

[Upgrading from an older version?](#)

[Have a problem along the way?](#)

<http://librarybox.us/building.php>

**TP-Link**

MR3020

MR3040

MR703n

WR842n

MR10u

MR13u

**USB Thumb Drive  
Formatted to FAT32**

- ❖ Download OpenWRT file
- ❖ Download LibraryBox Installer
- ❖ Plug router into computer via Ethernet
- ❖ Launch browser, and go to 192.168.0.254
- ❖ admin/admin
- ❖ Update Firmware

Security

- ❖ `telnet 192.168.1.1`
- ❖ `box_init_setup.sh`
- ❖ Press 1
- ❖ choose strong password
- ❖ after setting password, you SSH into box as root: `root@192.168.1.1`

# Customizing Website



## Welcome to LibraryBox v2.1

Browse and download any of the available files, or chat with other users below.  
LibraryBox is private; no logs or other identifying data are retained.

### Top Downloads

[Bram Stoker - Dracula.epub](#)

1 download(s)

### Chat

00:00:00 **LibraryBox:** Chat and share files anonymously!

Anonymous

Message...

Send

The LibraryBox Project is Software Licensed under GPLv2, see <https://www.gnu.org/licenses/gpl-2.0.html> for license details.

All LibraryBox content not otherwise licensed is released under a Creative Commons NC-BY license. For more information, visit <http://librarybox.us>

## About LibraryBox

LibraryBox is designed to enable the distribution of digital information to areas with little or no Internet access, even off the grid. It does so using open source software and very inexpensive hardware, allowing the distribution of digital information at a far lower cost than other solutions. If you'd like to learn more about the LibraryBox Project, please visit <http://librarybox.us> when you get back to the Internet.

## Thanks

LibraryBox v2.0 would not have been possible without the support of the Kickstarter Backers, all of whom are listed below. Thanks to my wife and daughter for putting up with the long hours and all the support. Special thanks to: Matt Neer, Ross Singer, Bo Baker, and Andromeda Yelton for lending a hand early in the project's life, and to John Blyberg for swooping in at the last minute. Development of basically all of the good parts of the v2.0 release are due to the incredible coding talents of Matthias Strubel and the UI work of David Brooks.

## Statistics

LibraryBox is designed to be safe and secure. No logins are required and no user data is logged. The system is purposely not connected to the Internet in order to prevent tracking and preserve user privacy.

[View download and visitor statistics](#)

## Kickstarter Backers

:: Thomas Fourmeux ::, @Anne6fy, @brianmathews, @cstrauber, @kimtairi, a1oka, Aaron Edens, Aaron Estrada, Abigail Goben, Adam Barr-Neuwirth/Somdede, Adam Cline, Adam Cole, Alain Bauer, Alan Levine (@cogdog), Alex Hylton, Alexander Sulzberger, "Alexander Y. Hawson, M.D.", Alexandre Gūdon, Ama Spaz, Amanda Etches, Amanda Potter, Amy, amy buckland, Amy Rogers, Amy West, Anastasia Diamond-Ortiz, Andrea, Andrew C, Andrew Walsh, Andrew Whitis, Andrew Wilson, Andrew Wong, "Andy and Cori Mills - Juneau, Alaska", Andy L, Andy Schmitz, Angela M. Vanden Elzen, Ann M. Stovall, Annie Ross, Annie Scibienski/Terry Sennett, Anonymous, Anonymous, Aric Rothfus, Armin ten Hompel, Arne Jonny Bakkevoid, Artefacto, Aubrey Whymark, Audrey Watters, Austin Free-Net, Axler, AyrA, Backgammon Player, Barbara Slavin, Baynuts, Becky Rech, "Ben Jen Holdings, LLC", Ben Lainhart, Ben Miller, Benjamin Keele, Benjamin Shum, Beth Viveiros, Blackhawk13g, blander, Bobbi L. Newman, Bohyun Kim, Brad Hinson, Brad Omland, "Brett ""DJ Archangel"" Strassner", "Brian ""Brijen"" Jones", Brian Conner, Brian Ginn, Brian Rogers, Brooke Schreier Ganz, Bruno Andreis, Bryan Loar, Buxton The Red, C R Bennett, C.M. Underdown-DuBois, Candy Schwartz, Carrie Scarr, Carsten Ullrich, Cary Gordon, casaan, Center for a Stateless Society, ch@riesthom.as, Chad Mairn, Chandler Weiner, Chris Zammarelli, Christopher Hwang, Christy Davis, Clan Sn'nrth, Cliff Landis, Clive Thompson, Cloned Milkmen, Cody Melnick, Constance Wiebrands, Cooper Richardson-Sullivan, Copyleft, Coriander, Cory Doctorow, Courtney Fuson, Dan Greene, Dan Sigrist, Daniel Flood, Daniel Verbit, Danielle Haymore, Danielle Vincent, Darien Library, Dave Pattern, David Drexler, David Mills, davidleeking, DavidPapp.com, Dean Henry, Debbie Storz, Derrick aka geekandahalf, Devin Montgomery, Diane Mayr, digitalcoleman, Dmytriy Stepchenkov, dnevill, Dominik D. Freydenberger, Dr. Leslie Jensen-Inman: @jenseninman, Dyann J. Callahan, E Bordeaux, Ed Garcia, Eduardo Robles, Edward Shaddow, Eliza Griffey, Elizabeth Andrews, Elizabeth Davis, Elizabeth Farrell, Ellen E Armstrong, Ellen Forsyth, Emily Puckett Rodgers, eprahs, Eric Damon Walters, Erica Holan, Erin Cassidy, Erin M, errica+love=paper, Faye Jones, Finn and Aero Hoenke, fiona malcolm, Frank T-Y, Frederick Ostrander, Frederik Unser, Friend of the Library, Furr, Giulio Bonanome, GK Oyekan, Graham Dostal, Greg Pond, Gretchen Caserotti, Gretel, GSLIS Technology, Gus Neil, Heidi Ollhoff, heigerlens, Herbert Eder, Holger Jakstat, Holly Blosser, Hope Leman, Inti Acevedo, iPocketIntelligence@gmail.com, Irina Z, Isabelle Lussier, j.c.sackett, Jack Jack, Jacob Negley, Jaime Corris Hammond, Jake Weisfeld, James Christopher, James Colalillo, Jamie Fong, Jamie Nelson, Jan Holmquist, Jana W., Janet Kinlaw, Janice Chan, Jay Opisch, "Jazer, Matty, Zoey, Tan, Angel, Gracy", Jen, Jen Young, jenfoolery, Jennifer Hendzlik, Jennifer



# LibraryBox Downloads

Below are download statistics and user counts for this LibraryBox.

## User Counts

---

November 3, 2014 → 2

## Content Downloads

---

[Bram Stoker - Dracula.epub](#)

1 download(s)

Name



apply\_config.log



external\_fs



install



install.log









LibraryBox



openwrt-ar71xx-ge...quashfs-factory.bin


Name





- ▶  board
- ▶  Config
- ▶  Content
-  pbIMG\_ws.img
- ▶  Shared
- ▶  tmp

Name

 LibraryBox v2.0 Container Top.stl

 LibraryBox v2.0 Container.stl

▶  css

▶  dir-images

▶  fonts

▶  img

▶  js

▶  locales


 about.html


 index.html

 stats.html

 dl\_statistics.html.php

 vc\_statistics.html.php

 gpl-2.0.txt


 favicon.ico

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="initial-scale=1.0, maximum-scale=1.0, user-scalable=no, width=device-width">
  <meta http-equiv="cache-control" content="no-cache">
  <title>LibraryBox 2.1</title>
  <link rel="icon" href="favicon.ico">
  <link rel="stylesheet" href="css/bootstrap.css">
  <link rel="stylesheet" href="css/bootstrap-theme.css">
  <link rel="stylesheet" href="css/font.css">
  <link rel="stylesheet" href="css/structure.css">
  <link rel="prefetch" type="application/l10n" href="locales/locales.ini" />
  <script type="text/javascript" src="js/l10n.js"></script>
</head>
<body>


  <span id="vc_count"></span>
  <div id="top-nav" class="navbar navbar-inverse navbar-fixed-top" role="navigation">
    <div class="container">
      <div class="navbar-header">
        <a href="/Content/" class="brand navbar-brand">&nbsp;LibraryBox</a>
        <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse">
          <span data-l10n-id="commonNavbarToggle" class="sr-only">Toggle navigation</span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
        </button>
      </div>
      <div class="collapse navbar-collapse">
        <ul class="nav navbar-nav">
          <li><a data-l10n-id="commonNavbarHome" href="/Content/">Home</a></li>
          <li><a data-l10n-id="commonNavbarText" href="/Shared/text/">Text</a></li>
          <li><a data-l10n-id="commonNavbarAudio" href="/Shared/audio/">Audio</a></li>
          <li><a data-l10n-id="commonNavbarVideo" href="/Shared/video/">Video</a></li>
          <li><a data-l10n-id="commonNavbarApps" href="/Shared/software/">Apps</a></li>
          <li><a data-l10n-id="commonNavbarAll" href="/Shared/">All Content</a></li>
          <li><a data-l10n-id="commonNavbarStats" href="/content/stats.html">Statistics</a></li>
          <li><a data-l10n-id="commonNavbarAbout" href="/content/about.html">About</a></li>
        </ul>
      </div><!--/.nav-collapse -->
    </div>
  </div>
</body>
</html>
```


Name

 LibraryBox v2.0 Container Top.stl

 LibraryBox v2.0 Container.stl

▶  css


▶  dir-images

▶  fonts

▶  img

▶  js

▶  locales


 about.html

 index.html

 stats.html

 dl\_statistics.html.php

 vc\_statistics.html.php

 gpl-2.0.txt

 favicon.ico





```
|# English translation
```

```
# vim: ft=jproperties
```

```
commonNavbarToggle = Toggle navigation
```

```
commonNavbarHome = Home
```

```
commonNavbarText = Text
```

```
commonNavbarAudio = Audio
```

```
commonNavbarVideo = Video
```

```
commonNavbarApps = Apps
```

```
commonNavbarAll = All Content
```

```
commonNavbarStats = Statistics
```

```
commonNavbarAbout = About
```

```
commonFooterBackToTop = Back to top
```

```
|# French translation
```

```
# vim: ft=jproperties
```

```
commonNavbarToggle = Basculer la navigation
```

```
commonNavbarHome=Accueil
```

```
commonNavbarText = Texte
```

```
commonNavbarAudio = Audio
```

```
commonNavbarVideo = Vidéo
```

```
commonNavbarApps = Applications
```

```
commonNavbarAll = Tout le contenu
```

```
commonNavbarStats = Statistiques
```

```
commonNavbarAbout = À propos
```

```
commonFooterBackToTop = Vers le haut
```

# Welcome to LibraryBox v2.0

Browse and download any of the available files, or chat with other users below.  
LibraryBox is private; no logs or other identifying data are retained.

## Top Downloads

[Alexandre Dumas - The Count of Monte Cristo.epub](#)

1 download(s)

[Louisa May Alcott - Little Women.epub](#)

1 download(s)

[Jane Austen - Pride and Prejudice.epub](#)

1 download(s)

[Homer - The Iliad of Homer.epub](#)

1 download(s)

[Cory\\_Doctorow\\_-\\_Little\\_Brother.epub](#)

1 download(s)

## Chat

00:45:23 **Griffey:** Testing

00:00:00 **LibraryBox:** Chat and share files anonymously!

Griffey

Message...

Send

## Bienvenue sur LibraryBox v2.0

Naviguez et téléchargez n'importe quel fichier, ou participez à la discussion avec d'autres utilisateurs ci-dessous  
LibraryBox respecte votre vie privée. Aucune information sur vous n'est enregistrée.

### Top Téléchargements

[Alexandre Dumas - The Count of Monte Cristo.epub](#)

1 download(s)

[Louisa May Alcott - Little Women.epub](#)

1 download(s)

[Jane Austen - Pride and Prejudice.epub](#)

1 download(s)

[Homer - The Iliad of Homer.epub](#)

1 download(s)

[Cory\\_Doctorow\\_-\\_Little\\_Brother.epub](#)

1 download(s)

### Discussion

00:45:23 **Griffey:** Testing

00:00:00 **LibraryBox:** Chat and share files anonymously!

Anonyme

Message...

Send

Le projet LibraryBox est publié sous licence GPLv2, rendez vous sur <https://www.gnu.org/licenses/gpl-2.0.html> pour en obtenir les détails.

Sauf mention contraire, les contenus de LibraryBox sont publiés sous licence Creative Commons BY-NC. Pour plus d'information, rendez vous sur <http://librarybox.us>

# Other Customizations

# Config Files

channel.txt

hostname.txt

librarybox\_ftp.txt

librarybox\_ftpadmin.txt

librarybox\_ftpanon.txt

librarybox\_ftp sync.txt

librarybox\_ftp sync port.txt

librarybox\_shoutbox.txt

ssid.txt

system\_hostname.txt

txpower.txt

**channel.txt = Wifi Channel [1-11 in the US]**

**hostname.txt = LAN Hostname**

**librarybox\_shoutbox.txt = Yes/No**

**ssid.txt = Wifi Name**

**txpower.txt = Broadcast power [20-30]**



# FTP Access

- ❖ SSH into your LibraryBox [ssh root@192.168.1.1]
- ❖ box\_init\_setup.sh
- ❖ Press 3 for FTP setup
- ❖ Enable FTP [Choice 1]
- ❖ Set Admin Password [Choice 6]

Choose an option: 3

-----  
Current configuration:  
-----

FTP enabled : yes  
Admin access : yes  
Special SYNC access : yes  
SYNC Port : 54321  
Anonymous login possible : no

--

FTP Synchronisation active : no  
FTP Sync hostname : empty  
FTP Sync password : empty

- 
- 1 - Enable / Disable FTP
  - 2 - Enable / Disable Admin Access
  - 3 - Enable / Disable Sync Master
  - 4 - Enable / Disable Anonymous Access
  - 5 - Set password for Sync Master
  - 6 - Set password for Admin Access

- 7 - Enable Sync Client
- 8 - Client host
- 9 - Client password

Enter h and a number for help about the topic. For example, h8 for Client host help  
Every other button is a clean exit.

**FTP**

**192.168.1.1**

**Username: nobody**

**Password: \*\*\*\*\***

# Master/Client Sync

Community



Daniel  
@ycpdan



All the parts ready to try @LibraryBoxen  
@alaannual #alaac14 [pic.twitter.com/  
Qt0cZgVP4C](http://pic.twitter.com/Qt0cZgVP4C)



June 18, 2014 at 1:46 PM

via Twitter for iPhone



**David Lee King**  
@davidleeking



Just found a @LibraryBoxen sign at Fulton county public library in Indiana - coolness, @griffey ! [pic.twitter.com/9ZF6NOI4hV](http://pic.twitter.com/9ZF6NOI4hV)  
Rochester, IN



★ 6 ↻ 2



September 10, 2014 at 11:02 AM

via Tweetbot for iOS



WCCLS Libraries

@wccls



Come to **@BeavertonLib** tonight, connect to this **@LibraryBoxen**, and download Cory **@doctorow**'s e-books! #wcclsreads  
[pic.twitter.com/QRcWjvcOsW](http://pic.twitter.com/QRcWjvcOsW)  
Beaverton, OR



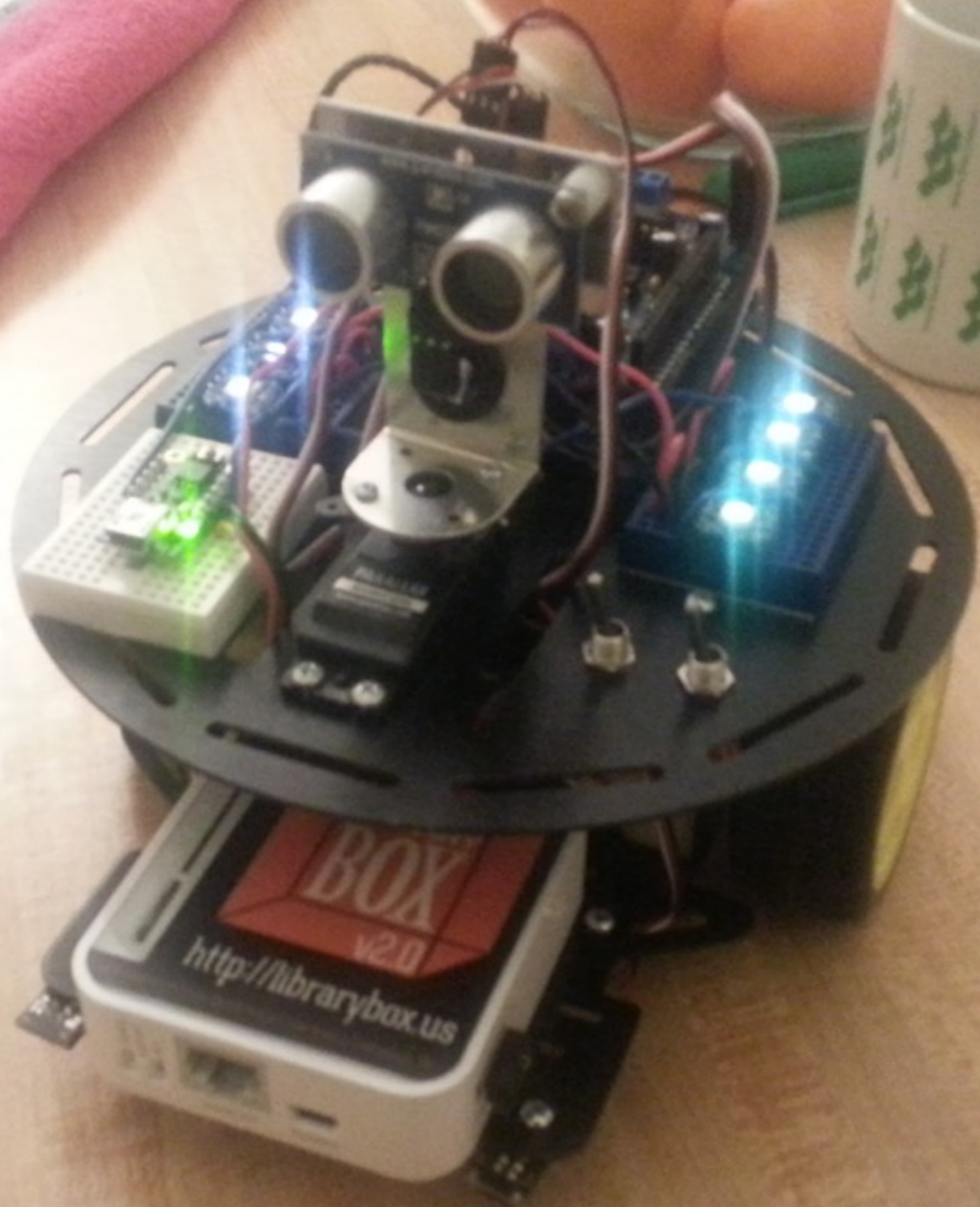
★ 8 ↻ 12



July 8, 2014 at 8:32 PM

via Twitter for iPhone





BOX  
v2.0  
<http://librarybox.us>





**danielflood**  
@de\_flood



**@LibraryBoxen** A tower of proto-Library Boxes downunder. **@SLQedge** Time to make some coolness. [buff.ly/1nfoQta](http://buff.ly/1nfoQta) [pic.twitter.com/cVZaAb6HN8](http://pic.twitter.com/cVZaAb6HN8)



★ 1 ↻ 2



May 5, 2014 at 6:43 PM  
via Buffer

## Background

LibraryBox is a modification of the PirateBox project created by David Darts, professor at Steinhardt School of Culture, Education and Human Development, University of New York. Darts created the PirateBox, a local wireless network, to allow users to connect and share files anonymously. The PirateBox code is registered under a GNU GPLv3 license which grants the right to freely copy, distribute, and transform creative works according to the principles of copyleft. Jason Griffey has modified this code to create the LibraryBox version for educational and library use. The main difference between the two types of boxes is that the LibraryBox does not allow users to anonymously upload content to the box.



Contents of a LibraryBox



LibraryBoxes around the World

## How to Connect

- 1 Connect to the **RULA LibraryBox - Free Content** WiFi network.
- 2 Launch a browser.
- 3 Load any web page (you will be redirected to the LibraryBox home page).
- 4 Explore and enjoy.

## Building a LibraryBox

### Equipment Required

#### Wireless Router



The standard model is the TP-Link MR3020, but the following will also work: TP-Link MR3040, TP-Link WR703N, TP-Link WR842n, TP-Link WR1043ND, TP-Link MR10U and TP-Link MR13U.

#### USB Key



A FAT32 formatted USB drive, the larger capacity the better, for storing the files that you wish to distribute.

#### Ethernet Cable & Power Supply



An ethernet cable and power supply are provided with the routers listed above.

#### Battery Pack (Optional)



A battery pack is optional, but useful if you want to use your LibraryBox in a location without electricity.

## How to Build a LibraryBox

Building a LibraryBox takes approximately an hour. Once you have created your Box, you can then customize it as you wish and add your content. These are the basic steps. More detailed instructions are available from [librarybox.us](http://librarybox.us).

- 1 Download firmware update for your TP-Link router and the LibraryBox installation software.
- 2 Unzip the LibraryBox install software and load it and the firmware update onto your USB key.
- 3 Insert the USB key into the router's USB port.
- 4 If the router has a mode selection switch, set it to WSP.
- 5 Connect the router to your computer using the ethernet cable and connect the router to a power supply.
- 6 Open a web browser and connect to your router.
- 7 Login with the default username and password.
- 8 Upgrade your router's firmware with the downloaded firmware update.

The router will restart. After about 20 minutes of flashing lights, you will have a working LibraryBox.

## The Web in Your Pocket Distributing Digital Resources using LibraryBox

### What is LibraryBox

LibraryBox is a portable file and resource distribution device that lets you deliver a wide variety of resources (audio files, videos, pdfs, ebooks, images, data sets, presentations, etc.) to anyone who has a wireless enabled device with a web browser. A LibraryBox is useful in any situation where you have limited access to the Internet and also when you are off the electrical grid.

### Use Cases

#### Education

Distribute Open Educational Resource (OER) textbooks in remote locations  
Share files needed for research in the field

#### Natural Disasters

Provide access to emergency response information in power out situations

#### Libraries

Distribute ebooks from roving bookmobiles, remote branch libraries and other venues such as farmers' markets and festivals

#### Healthcare

Distribute healthcare resources and first aid information

#### Entertainment

Create digital scavenger hunts and geo-caches  
Stream music and photos to mobile devices

### Features & Benefits

#### Privacy and Anonymity

LibraryBox was created to provide a safe and secure option for distributing files. No user logins are required and no personal information about the user is retained. LibraryBox is not connected to the Internet, so no user information is tracked and user privacy is ensured.

#### Open Source Code

LibraryBox, itself a fork of another project, is licensed under a GNU Public License version 2. The code, which is available on Github, is customizable. You can download, fork and change it as you see fit. Source code: <https://github.com/griffey/Librarybox>

#### Digital Equality

LibraryBox works where there is no Internet and where the Internet is filtered. In situations where unfettered Internet access requires expensive VPN networks, LibraryBox levels the playing field by providing access equitably to all within the network's reach. Connections to LibraryBox are easily made and downloads are instantaneous. No expensive data plans are required.

#### Inexpensive

LibraryBox is created from open source software and inexpensive hardware components, for under \$100. It provides a low-cost solution for distributing information in a variety of situations.

#### Portable

LibraryBox is small and lightweight making it ideal for transporting from site to site.

### Additional Resources

Boing Boing article by Cory Doctorow  
<http://boingboing.net/2013/06/20/librarybox-creating-the-future.html>

David Dart's PirateBox Website  
<http://www.piratebox.com/piratebox/>

LibraryBox website  
<http://librarybox.us>

Make Magazine Article  
<http://makezine.com/projects/make-27/librarybox>

University of Michigan LibraryBox Project  
<http://www.lib.umich.edu/tp-link/wireless-networks/health/newsletter/2013/august-2013-edition.html>

## Sample Screenshots



### Home Screen

This screen is fully customizable. Out of the box it comes with chat functionality and statistics for the top five downloaded files.



### Content Screen

Example of a page that provides access to content on the LibraryBox. In this case the content is a selection of public domain and Creative Commons licensed ebooks in epub format.



### Anonymous Chat Box

LibraryBox has a built-in anonymous chat function. Anyone connected to the LibraryBox wireless network can chat with others who are also connected.



### Usage Statistics

LibraryBox retains anonymous statistics of the number of daily visits and the number of times each file is downloaded.



# RULA

Ryerson University Library & Archives

Poster created by Sally Wilson  
[swilson@ryerson.ca](mailto:swilson@ryerson.ca)

THOMAS

THOMAS

Cabine de téléchargement libre  
Plug numérique

LIVRES

FILMS



Thème  
du moment :  
**Utopies**

### Qu'est ce que c'est que ce truc ?

Cette cabine de téléchargement gratuite et libre vous permet de découvrir et télécharger un ensemble de fichiers numériques (livres, Musiques, films).

Les fichiers sont sélectionnés par une équipe de bibliothécaires du département en fonction d'une thématique qui est renouvelée régulièrement.

Tous ces fichiers sont libres de droit et gratuits, soit parce qu'ils sont tombés dans le domaine public soit parce que leurs auteurs ont fait le choix de ne pas les vendre.

### Qui propose cette cabine de téléchargement ?

Il s'agit d'une équipe de résidents missionnée par la 21e Région, le Conseil Régional Auvergne, le Conseil Général Puy de Dôme et la communauté de commune de Entre Dore et Allier pour imaginer la future médiathèque intercommunale de Lesaux qui ouvrira ses portes d'ici deux à trois ans. La cabine de téléchargement est une expérimentation, un travail en cours. Il ne s'agit pas de vous proposer un objet fini, qui marche parfaitement mais un prototype, un objet à un protocole et à améliorer grâce notamment à vos retours d'expérience. Pour plus de renseignements : Par mail : [daniela.roffat@egal.com](mailto:daniela.roffat@egal.com) Par Facebook : la future médiathèque intercommunale

#### Sources utilisées :


Livres :  
<http://www.abouquzon.fr/>  
<http://fr.feedbooks.com/>

Films :  
<http://archive.org/index.php>

Musique :  
<http://ukillibnab.fr>


## MODE D'EMPLOI

Comment récupérer musiques,  
films et livres ?

En USB  pour les clés



- 1 Insérez votre clé USB
- 2 Sélectionnez un fichier dans le dossier (Livres, Musiques, films)
- 3 Copiez/collez le fichier sur votre clé

En wifi  pour télécharger des livres sur appareils mobiles



- 1 Connectez-vous au réseau "BiblioBox"
- 2 Ouvrez votre navigateur



SparkFun Engineering  
@SFE\_Engineering



We're using @LibraryBoxen to efficiently distribute our class materials. Check them out!  
[jasongriffey.net/librarybox/](http://jasongriffey.net/librarybox/) [pic.twitter.com/uotKPS3XFa](https://pic.twitter.com/uotKPS3XFa)



★ 6 ↻ 3



# Partnerships





# LET ALL GIRLS READ

[LEARN HOW](#)

#girlsreading

Worldreader is a non-profit on a mission to bring digital books to every child and her family, so that they can improve their lives.

248,070

PEOPLE READING EVERY MONTH

27

COUNTRIES

6,857

BOOKS TITLES AVAILABLE

1,782,419

E-BOOKS READ BY PEOPLE SINCE 2010



SEARCH



> HOME

> WHO WE ARE

> WHAT WE DO

> WHERE WE WORK

> NEWS & EVENTS

> RESOURCE LIBRARY

> HOW TO GET INVOLVED



## Welcome to AIHA

| [Make a Meaningful Contribution to the Global War Against HIV/AIDS! The VHC Is Rec](#)  
AIHA's partnerships and projects harness the knowledge and expertise of the US healthcare sector in a coordinated response to public health challenges in developing and transitioning nations around the globe.

We provide peer-to-peer exchanges of information, skills-based training, broad-based programmatic management, and technical assistance that helps partner institutions and communities make the best use of limited financial, material, and human resources.

[Click here to learn more](#)

Select Technical Area:



Select Region of Interest:



## News

Keep up-to-date on all things AIHA in 2014! Like us on Facebook to learn about our partnerships and activities around the globe. **Read More**

Make a Meaningful Contribution to the Global War Against HIV/AIDS! The VHC Is Recruiting Skilled Professionals for Volunteer Placements throughout Africa **Read More**

In Ethiopia today, there are fewer than one practicing physician for every 39,000 people. Learn how you can play an important role in training the next generation of Ethiopian physicians. **Read More**



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**ELECTRONICS**

Growth





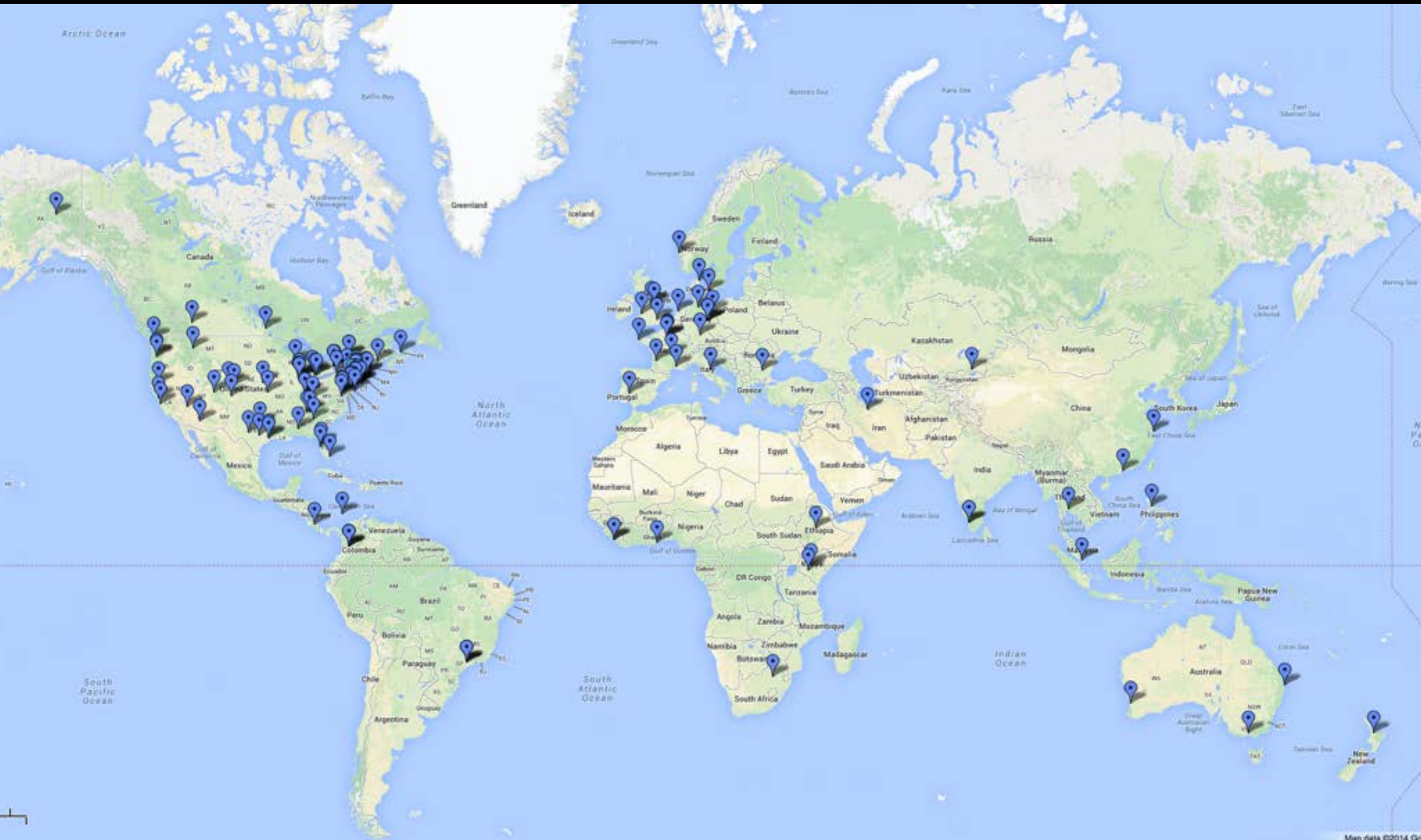




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**27 US States**

**28 Countries**

**6 Continents**

**Next Steps**



<http://librarybox.us>

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