



## **Butter Box '26**

Life without internet made (even more)....  
smoother, bigger and better!



The  
Butter Team



GUARDIAN PROJECT



OKTHANKS



SR2.  
Communications

Butter was designed and developed by a global team that shares the goal of using our skills to make the lives of others a little smoother in difficult times.

**Powered  
By  
Global  
Communities**

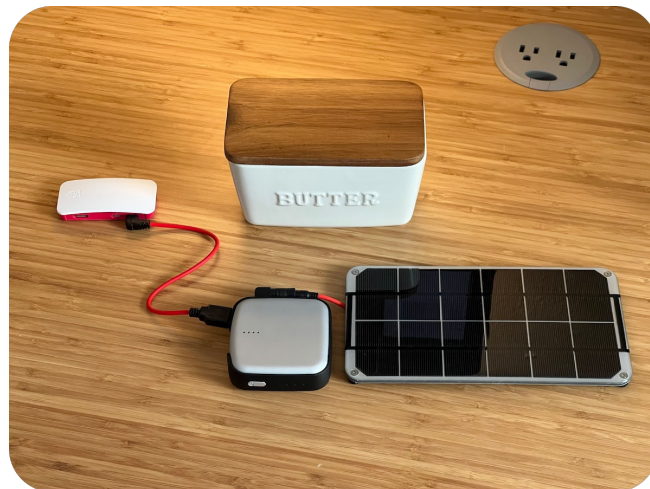
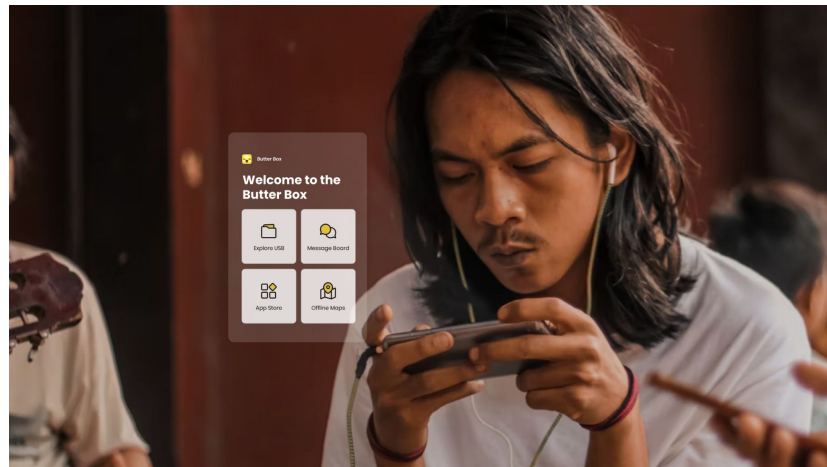
**36** Butter Boxes Deployed  
**60** COMMUNITIES IMPACTED





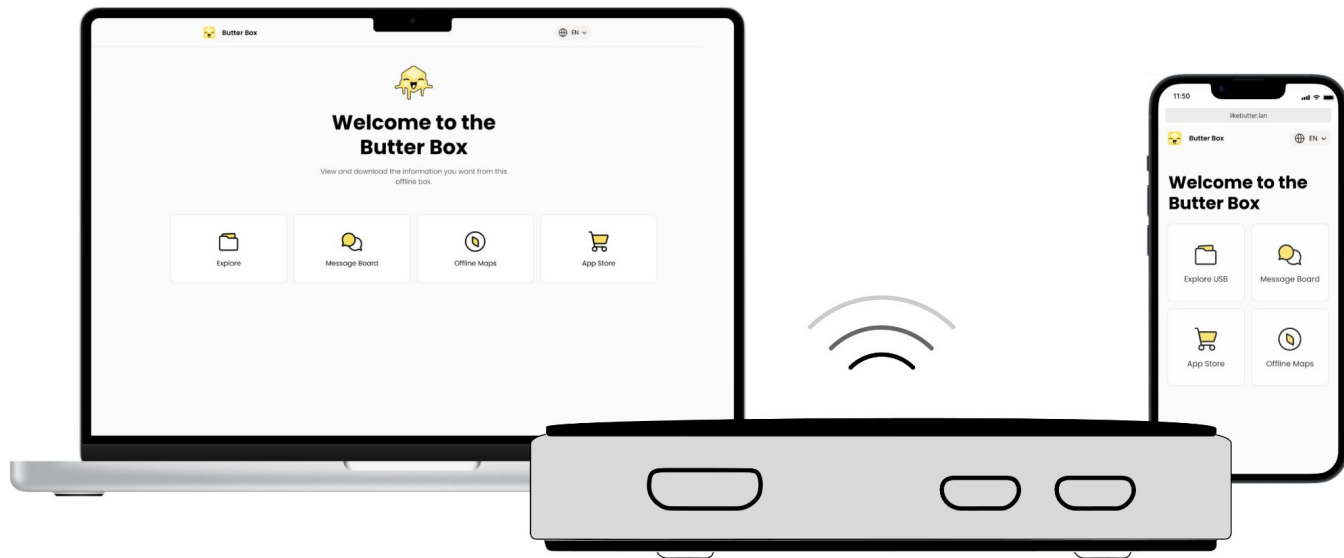
# Get one easy spot to share offline

Power a Butter Box hotspot to  
communicate, share news,  
knowledge, learning materials,  
and apps.





**People near  
a Butter Box  
can connect  
wirelessly  
from a  
phone or  
computer**

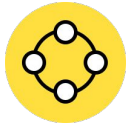




**Butter Box hotspots create a local network**



Only people in close proximity can join



Only content added to the local box can be shared (*i.e. user uploads, USB, Chat*)



**Butter Box hotspots Do Not offer a connection to the global internet.**



# Untethered and Solar Powered!

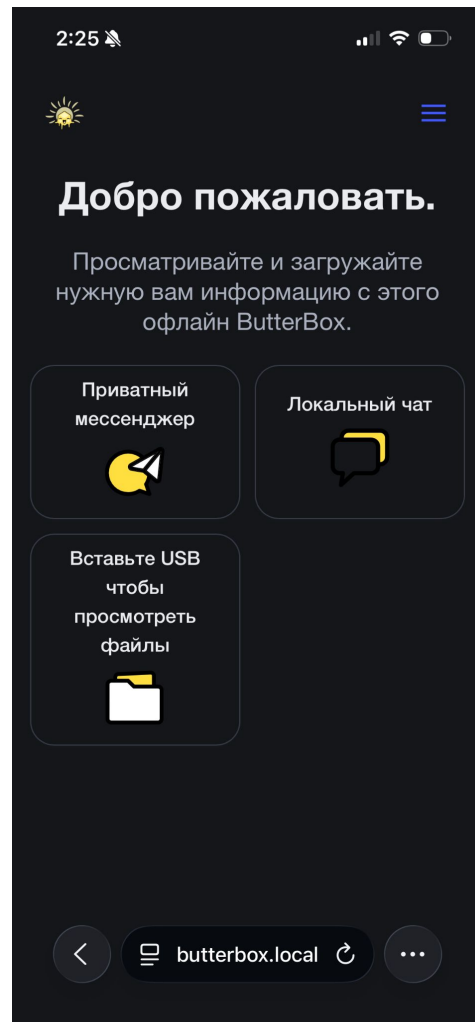
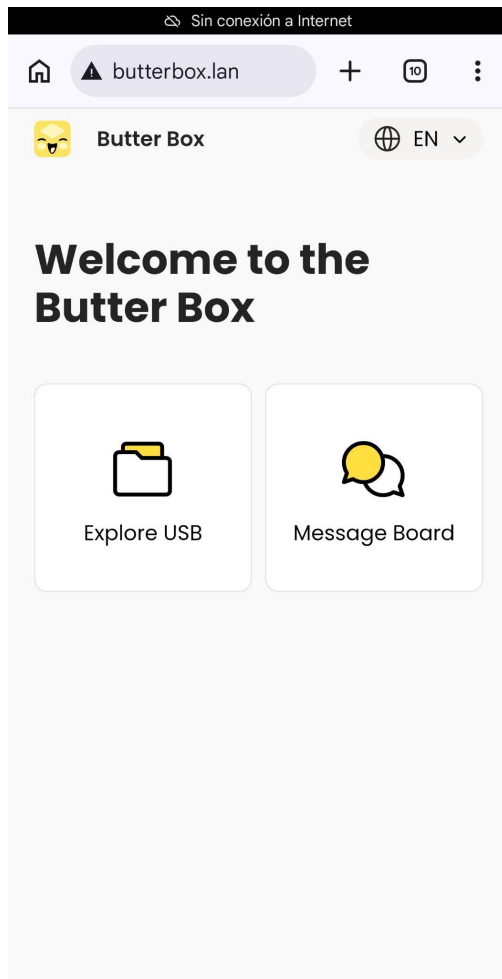
It functions  
completely  
offline, and can  
be powered by a  
battery,  
recharged with  
with a solar  
panel



## Local Portal

Butter's tools and services are accessible through any standard web browser using the default URL:

<http://butterbox.local>

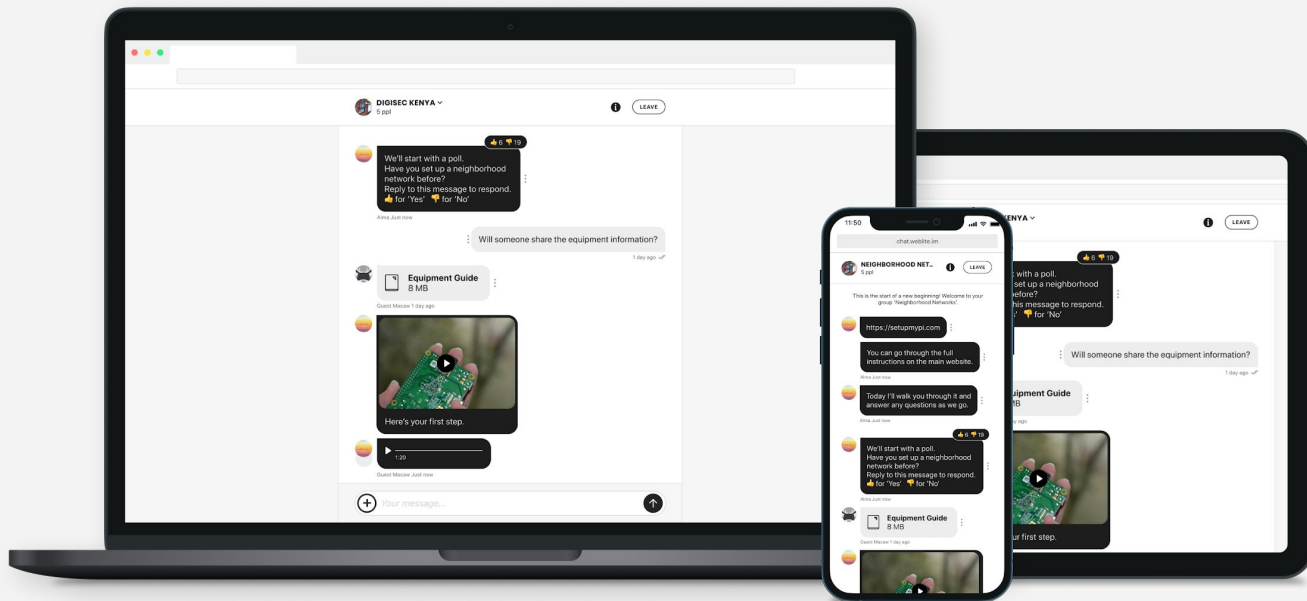


You can..

## Use the Message Board

To chat, share extra notes or resources during a training session or to take a poll.

Local, encrypted chat built on Matrix that users can join instantly, anonymously in a browser.

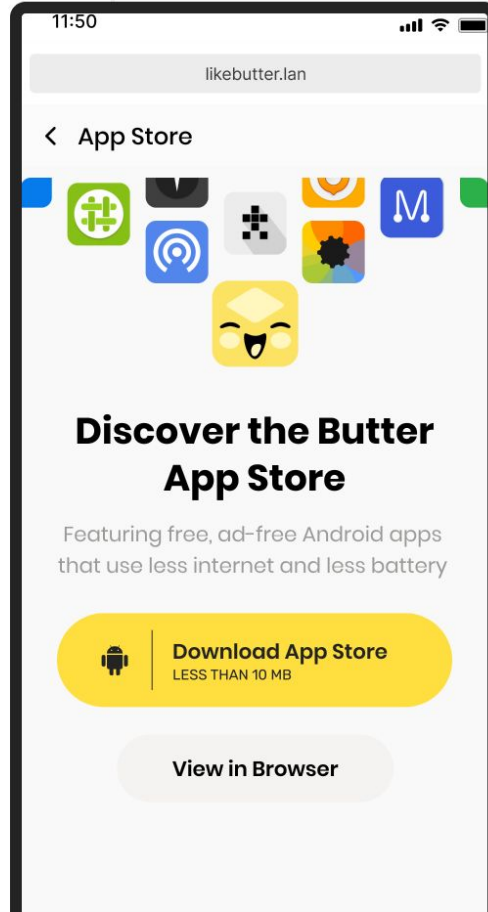


People who connect  
can..

## Browse and download Android apps

The Butter App  
Store features  
free, ad-free  
Android apps  
that use less  
internet and less  
battery.

Build on F-Droid.

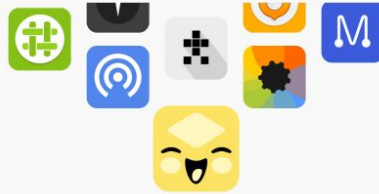


< App Store

11:50

likebutter.lan

< App Store



### Discover the Butter App Store

Featuring free, ad-free Android apps  
that use less internet and less battery



Download App Store  
LESS THAN 10 MB

View in Browser



## Discover the Butter App Store

Featuring free, ad-free Android apps that use less  
internet and less battery



Download App Store  
LESS THAN 10 MB

View in Browser

The Butter App Store is built on F-Droid free software

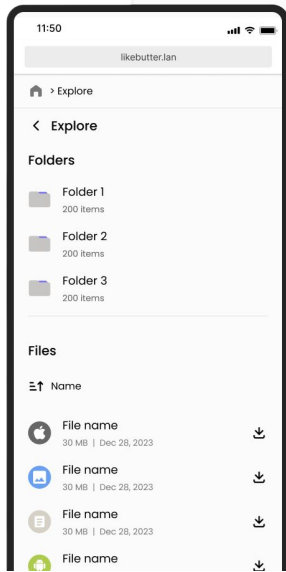
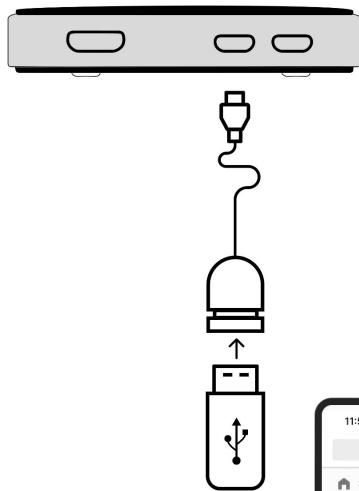


You can..

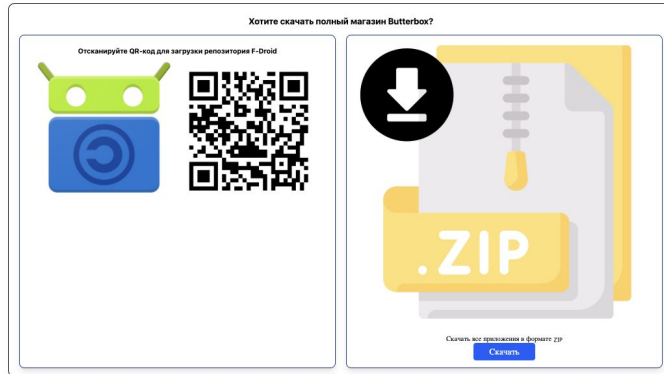
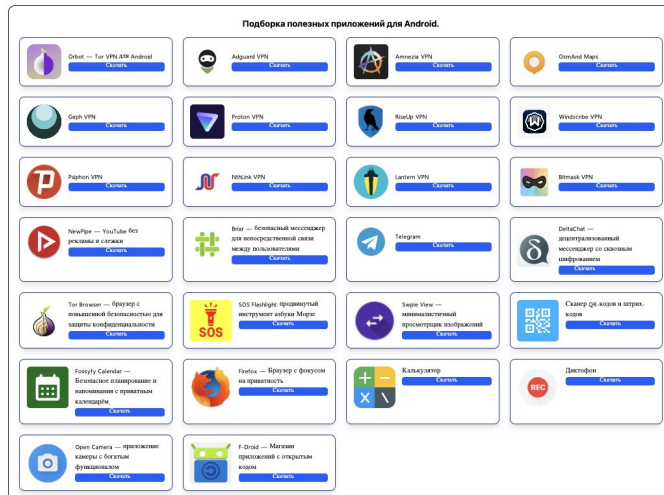
# Plug in a USB to a Butter Box to share anything you want

It's great for  
distributing  
large files

You can even share your own  
html sites (if they are built to  
function locally).



## Butterbox — Магазин приложений

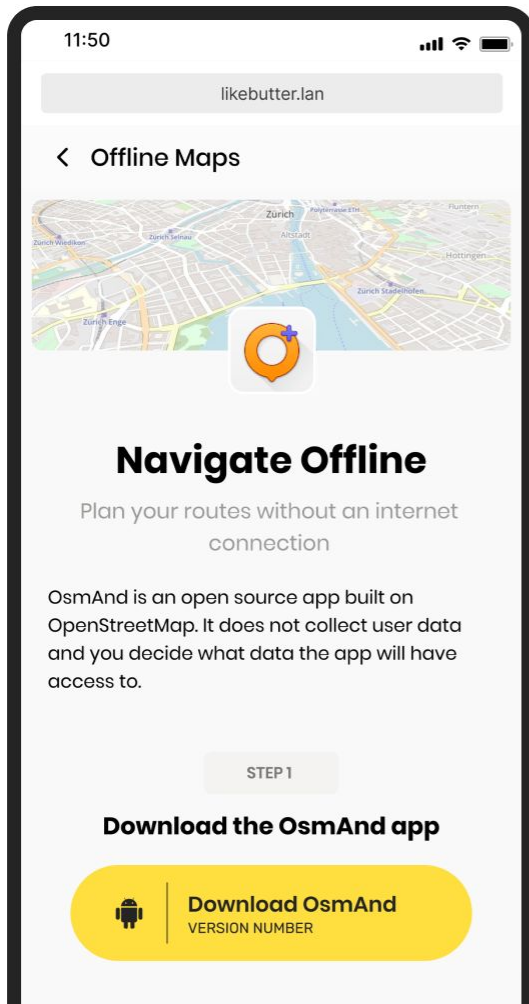


Жизнь без интернета — проще.



People who connect  
can..















## Download Offline Maps



### STEP 2

#### Download and import the map files you want

First, download a map file from the list below. Once downloaded, locate the file in your device downloads. Unzip the file. To import the map file, tap the .obf file and select **Open with OsmAnd**.

	Angola filename.zip	
	British Virgin Islands filename.zip	
	Colombia filename.zip	
	Eswatini (Swaziland) filename.zip	
	Malawi filename.zip	
	Mexico filename.zip	
	Nambia filename.zip	



# LA MANTEQUILLA

Conéctate, entra a tu navegador  
inserta este URL:



[Http://comolamantequilla.ian](http://comolamantequilla.ian)  
y disfruta de :

## La aplicación Mantequilla

✓ Incluye aplicaciones gratuitas y sin publicidad para ayudarte cuando estés sin conexión tales como:

**Briar:** App de mensajería diseñada para cualquier persona que necesite una forma segura de comunicarse, con Briar los mensajes se sincronizan directamente entre los dispositivos conectados.

NewPine: Descarga videos de YouTube sin conexión a internet

Juegos como Solitario, rompecabezas, el ahorcado ...Y muchas aplicaciones mas te esperan!!

## Participa en chats

✓ Donde podras ver mensajes, videos, o archivos publicados por compañeros cercanos

## Descargar archivos sin internet

✓ Podrás ver y descargar archivos (PDF, documentos word, entre otros) videos, imágenes sin necesidad de conexión a internet

**TU MEJOR ALTERNATIVA CUANDO NO TENGAS CONEXIÓN  
A INTERNET**



Butter Box deployment and localized training materials, convenience store, Venezuela.

# Build a Box

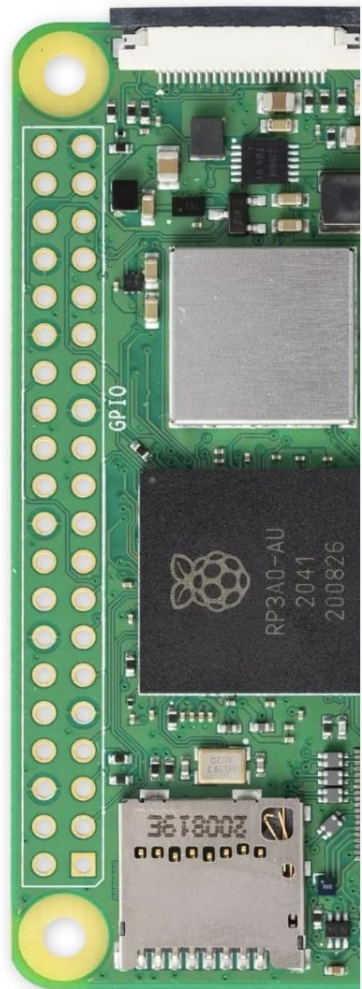
Butter Boxes are powered by a tiny computer. You can build your own by installing a pre-made image of the Butter software on a Raspberry Pi or any “old PC” with Intel/AMD64.

## **Basic Box Specs**

- Range: People within approximately 10 meters (32 feet) can join
- Capacity: Can connect up to 16 people at once

Get started now at:

<https://likebutter.app/docs/quick-start>





**What's Sweet and Salty  
in 2026?!**




# Growing Community!




The Butter Box and Engine Room teams joined forces at the Digital Mayan Fair 2026

# New website!

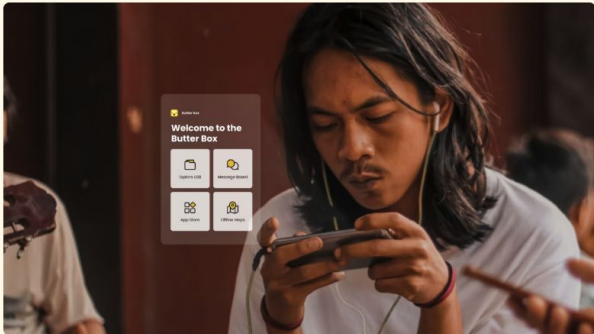
<https://likebutter.app/>

 **Butter** [Get Started](#) [Get In Touch](#) [Latest News](#) [Content Packs](#) 🌐 English




## Sharing offline has never been easier

Power your own hotspot to share educational materials, videos and apps in small groups or classrooms.  
No internet required.



An app store, encrypted chat, and more, all available over WiFi from an off-the-grid Raspberry Pi.


 **Butter** [Get Started](#) [Get In Touch](#) [Latest News](#) [Content Packs](#) 🌐 English


### Recent posts

#### 2026

Butter Digital Inclusion – Mayan Style!

May 13, 2026 · 4 min read

 **Fabby**  
Community Lead


 **Cacu**  
Community Trainer

The Butter Box and Engine Room teams joined forces at the [Digital Mayan Fair 2026](#) in Chiapas, México, and we showed up with a clear *mission*: run guided usability tests with Mayan community members, gather firsthand feedback, and deploy Butter kits with selected candidates ready to close the digital divide in their communities.



**Tags:** [community](#) [latam](#) [Read more](#)

## Spreading ButterBox Communication Widely with DeltaChat!

May 11, 2026 · 7 min read

 **Nathan**  
Director, Guardian Project

With our [recent updates](#) on ButterBox, we have implemented a huge step forward in both options for customization and inter-communication. Through our new setup wizard and admin panel, we allow anyone hosting a ButterBox to completely control and configure the available services. This includes changing the public wifi and hostname of the box, both visibly and over the

 **Butter** [Get Started](#) [Get In Touch](#) [Latest News](#) [Content Packs](#) English ▼ 

[Get Started](#)  
Quick Start  
Build A Box >  
Services >  
Content Packs >  
Update Butter  
Security  
FAQ >  
Use Cases

[Home](#) > [Get Started](#)

## Get Started

Butter Box is a lightweight, portable device that functions like a hard drive with its own hotspot. Anyone nearby can connect to it and view or download its contents —no internet required.

Whether you have a Butter Box in your hands or you need to build one, you're in the right spot. Choose an option below.

### I Have A Box ...or... I Need A Box


Next  
[Quick Start »](#)

[I Have A Box ...or... I Need A Box](#)




# More “Content Packs” Add-Ons


<https://likebutter.app/contentpack>

 **Butter** [Get Started](#) [Get In Touch](#) [Latest News](#) [Content Packs](#) English


Content Packs


Content Pack List

 Content Pack – Podcast Delivery Without Internet

 Content Pack – WebXDC Offline Apps

Content Pack List

 Content Pack – Podcast Delivery Without Internet



## Content Pack – Podcast Delivery Without Internet

We have released a [small, self-contained sample podcast content pack](#), built on a webpage and RSS feed from [Guardian Project](#). This repository is intended as an example “content pack”: a minimal, portable bundle of everything needed to host and distribute a podcast, including episode audio, show notes, a landing page, and a standards-compliant feed.

[DOWNLOAD SAMPLE PODCAST CONTENTPACK](#)

### What's inside

- `index.html` : A simple, styled landing page that lists each episode with inline audio playback.
- `podcast.xml` : An RSS 2.0 feed with iTunes podcast extensions, suitable for submission to podcast directories and use in podcast players.
- `posts/*.md` : Per-episode show notes in Markdown (YAML frontmatter holds the episode metadata).
- `posts/*.mp3` : The episode audio files, colocated with their show notes.
- `build.sh` : Regenerates `index.html` and `podcast.xml` from the contents of `posts/`.

What's inside

Using it

Building `index.html` and `podcast.xml`

Example

How it works

License

3:52

Guardian Project Podcast

Guardian Project

▶

34m

03/22/2023: Clean Insights and Privacy Preserving Measurement: Introduction to Privacy Preserving Measurement and Clean Insights

Episodes 

See All

02/09/2024

ProofMode for Indigenous Rights in Mexico

We invited team members of the "El Sur Resiste" movement to the Guardian Project podcast to share with us their experiences using ProofMode to docu...

▶

29m

03/22/2023

Clean Insights and Privacy Preserving Measurement

Introduction to Privacy Preserving Measurement and Clean Insights

▶

34m

02/17/2022

Fabiola and David discuss IPFS, Filecoin and the Decentralized Web

A discussion covering details on decentralized web technologies that we are exploring at Guardian Project

▶

29m

3 Episodes



ing In Line With S



May 24



# Expanded Onboarding / Setup

The image displays four sequential mobile app screens for the 'likebutter' application, showing the setup process. Each screen has a status bar at the top with the time 11:50 and signal indicators. The app's name 'likebutter' is in the top navigation bar.

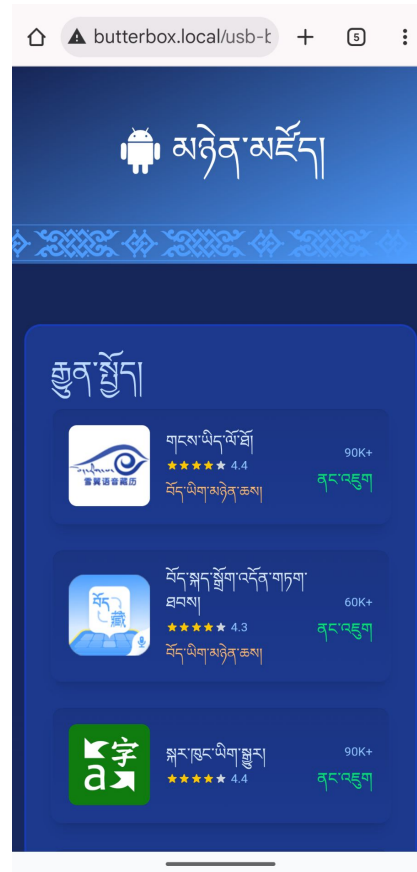
- Screen 1: Admin > Choose Services**
  - Choose Services**  
To learn more about individual services and what is required to run them, visit the [Help Center](#). You can change the services anytime.
  - File Sharing ☐
  - Local Chat ☐
  - Secure Messenger ☐
  - Back Next
- Screen 2: Admin > Customize Portal**
  - Customize Portal**
  - URL**  
The URL is the address users will enter into a browser after they connect to the box network. From here, they can view the portal.  
http:// butterbox.local
  - Back Next
  - Name**  
Butter Box
  - Logo**  
512 x 512 px. Recommended size.  
Upload New Logo
- Screen 3: Admin > Secure Portal**
  - Secure Portal**
  - Wi-Fi Name**  
After the box is powered on, it will appear as a Wi-Fi network on nearby devices. The Wi-Fi name will show up in the Wi-Fi list.  
Butter Box
  - ⚠️ This network only provides access to content on the box. No internet access.
  - Security**  
Set a password to limit access to the portal.  
Require a Wi-Fi Password ☐
  - Advanced**  
Turn off the Wi-Fi access point if you do not want the box to appear as a Wi-Fi network on nearby devices.  
Wi-Fi Access Point (on) ☐
  - Back Next
- Screen 4: Admin > Secure Admin Settings**
  - Secure Admin Settings**
  - Set Admin Password**  
Set an admin password to keep admin settings protected. Store somewhere secure. It cannot be reset.  
⚠️ This password should **not** match the Wi-Fi password.
  - Enter password
  - Confirm password
  - Save
  - Back Done

<https://likebutter.app/blog/portal-improvements>



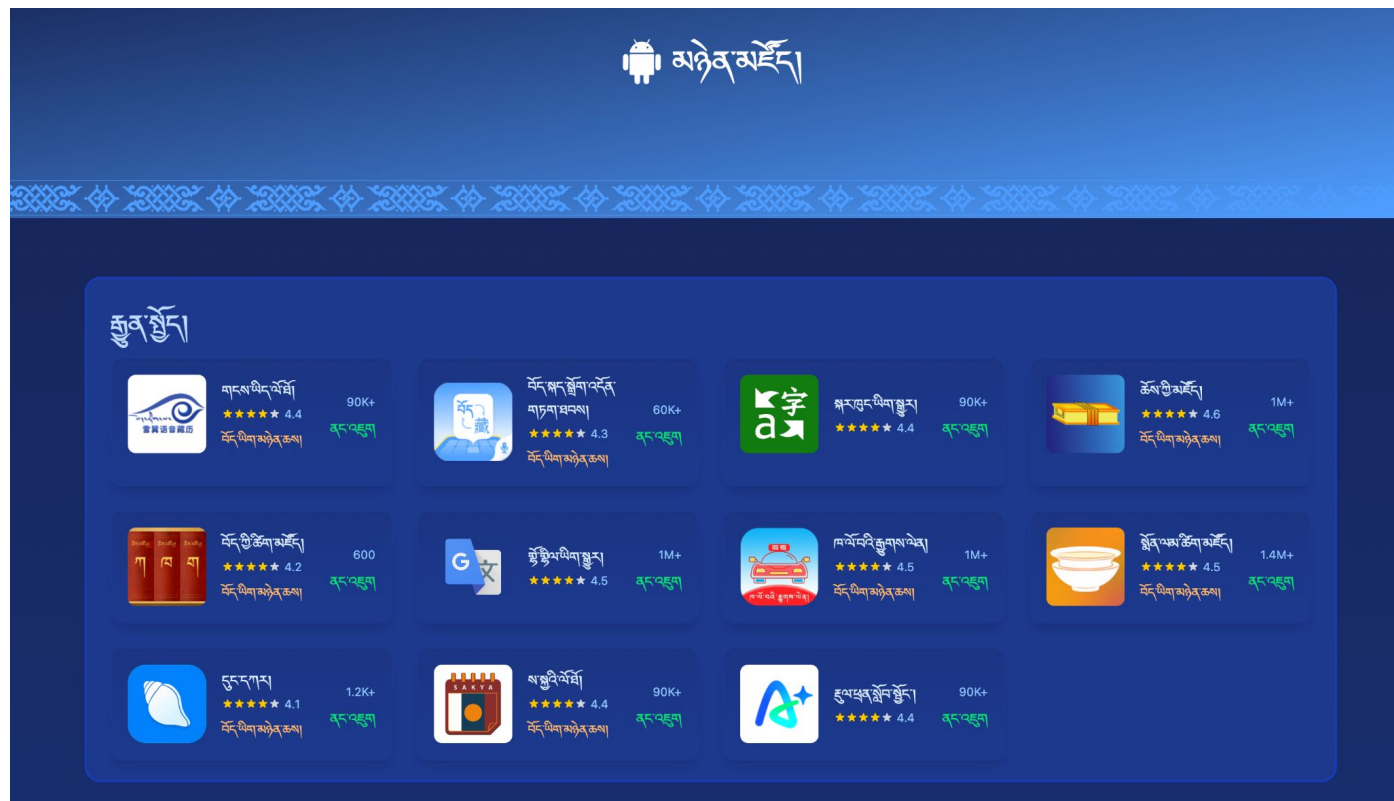
# Customization

Communities can create customized versions of ButterBox, either as their own installable image, content pack add-ons, and setup per instance



# Custom App stores

Communities can create customized app stores that run as static websites, allowing Android users to easily browse and download applications directly from their devices.

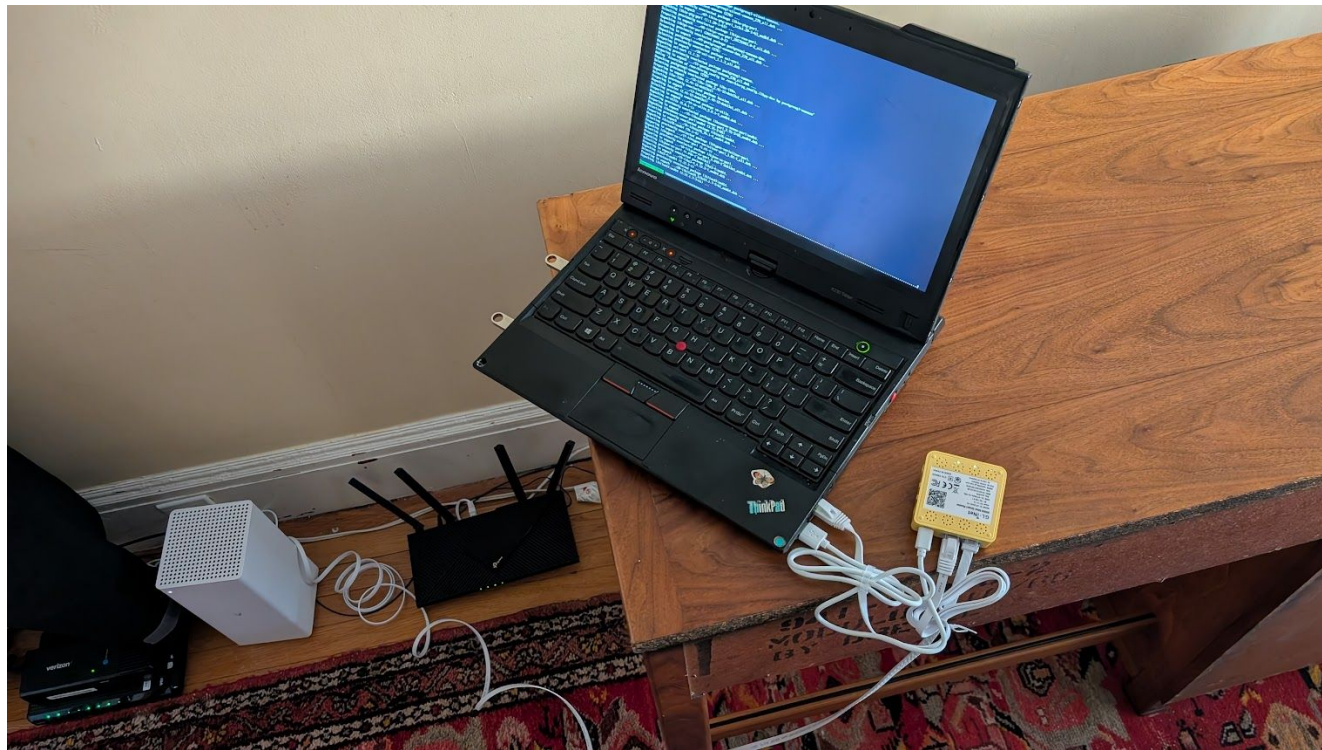




**Buttered Edge Stuff...**

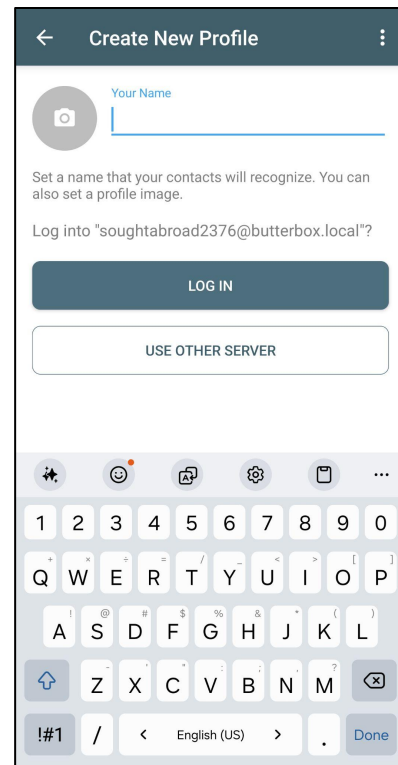
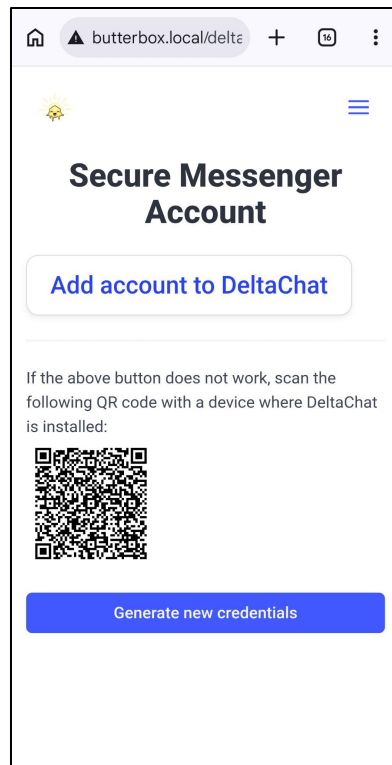
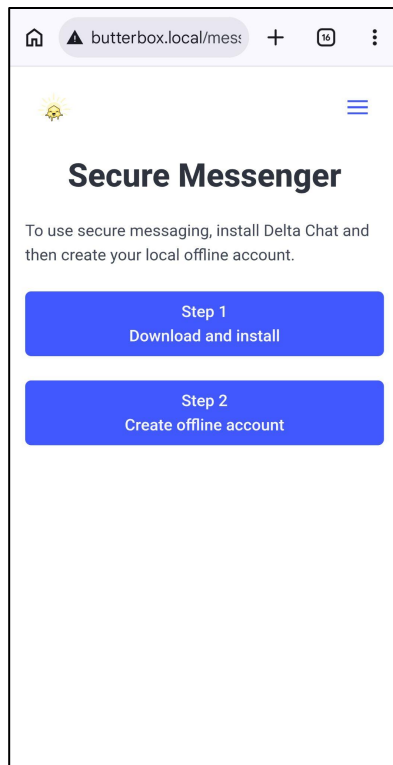
# ButterBoxPC

Turn any old laptop or PC into a ButterBox now... full support for Intel/AMD64 hardware.



# Delta Chat Offline!

New “Secure  
Messenger” feature  
supported by  
Delta Chat Server  
Integration

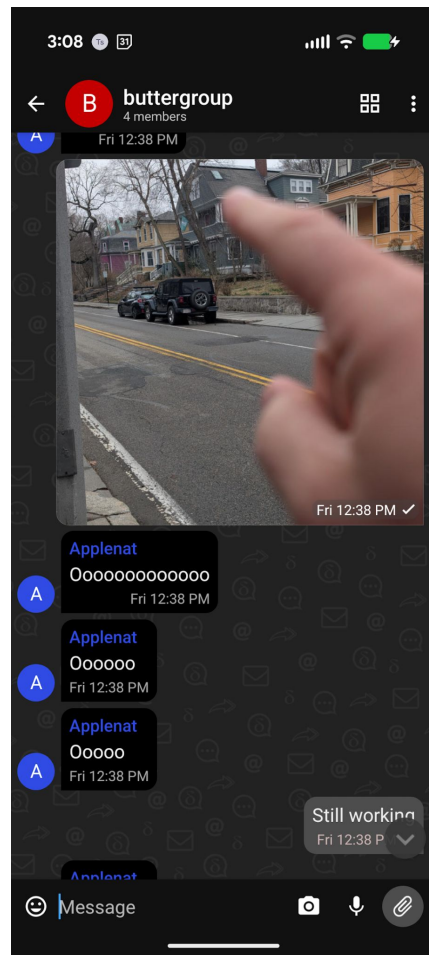


<https://likebutter.app/blog/butterbox-deltachat>



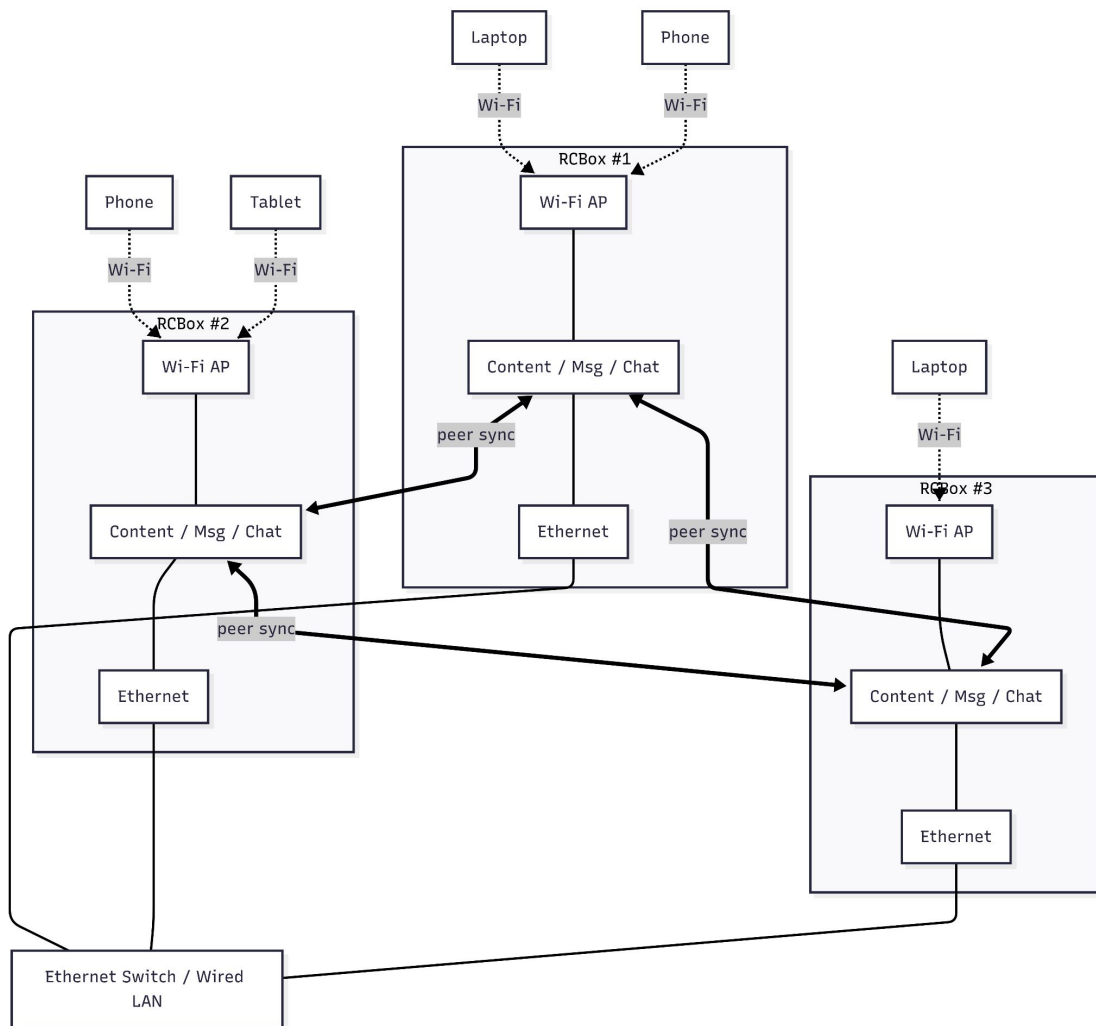
# Delta Chat + Multibox + Long Range!

Multiple group chats  
across multiple  
butterbox instances  
connected across a  
variety of networks



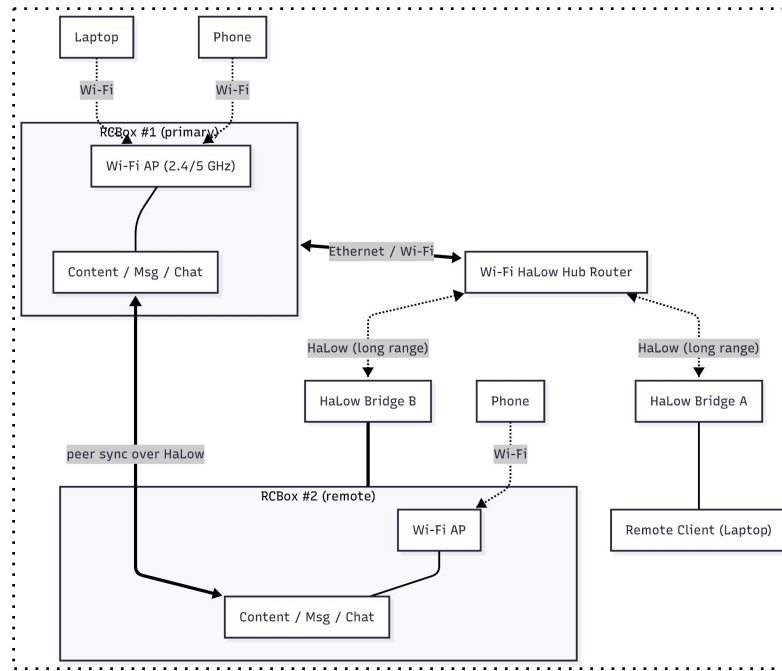
# MultiBox!

Multiple ButterBox instances can now have custom hostnames and interact with each other in a semi-connected, async network



# Long Range!

Wi-Fi HaLow is promising long range wifi to build networks of ButterBoxen and other devices

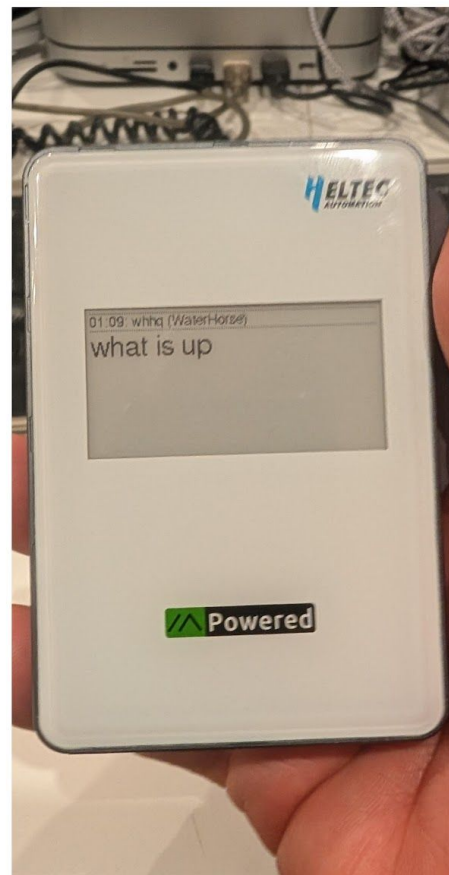
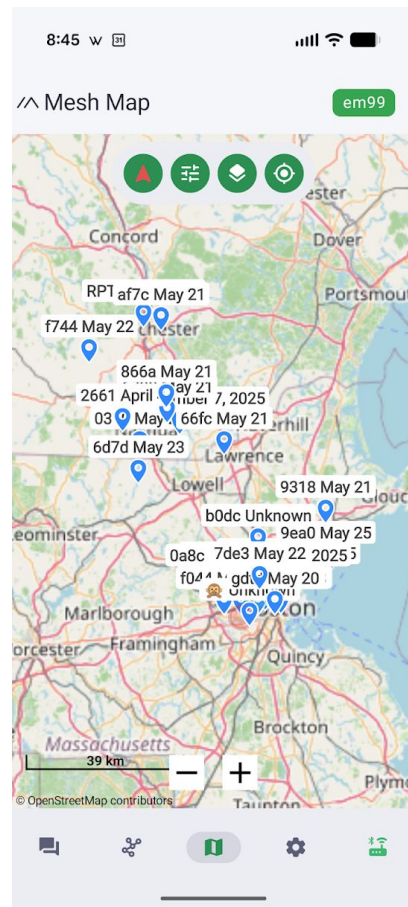


<https://www.sr2.uk/posts/2026-butter-box-connectivity/>

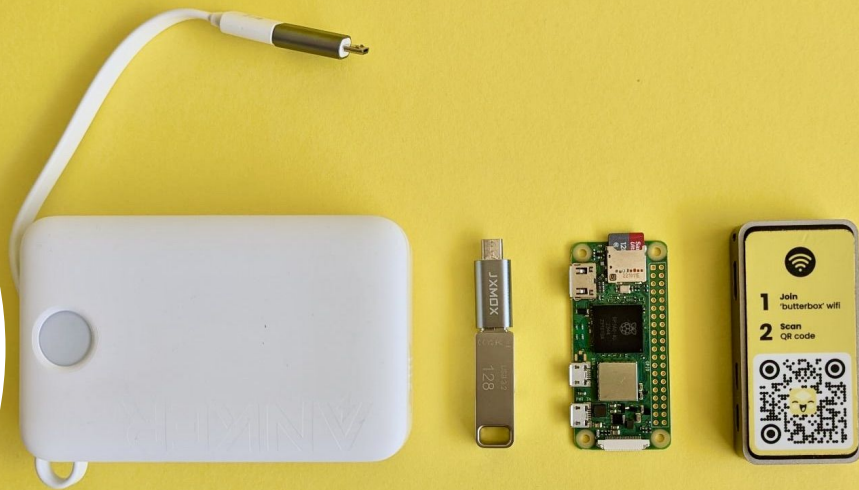
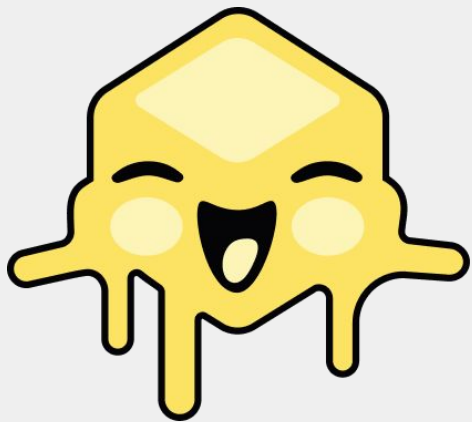


# Meshtastic!

Low-bandwidth, long range radio networks can be linked to a ButterBox for a “multibox messaging” channel



<https://bostonme.sh/>



**Build a butter box today!**

Docs,  
Guides &  
More

<https://likebutter.app>





## **Butter: Elevating offline experiences**

Brought to you by the Butter team, a collective of technologists and advocates working for social good by pioneering open-source technology.