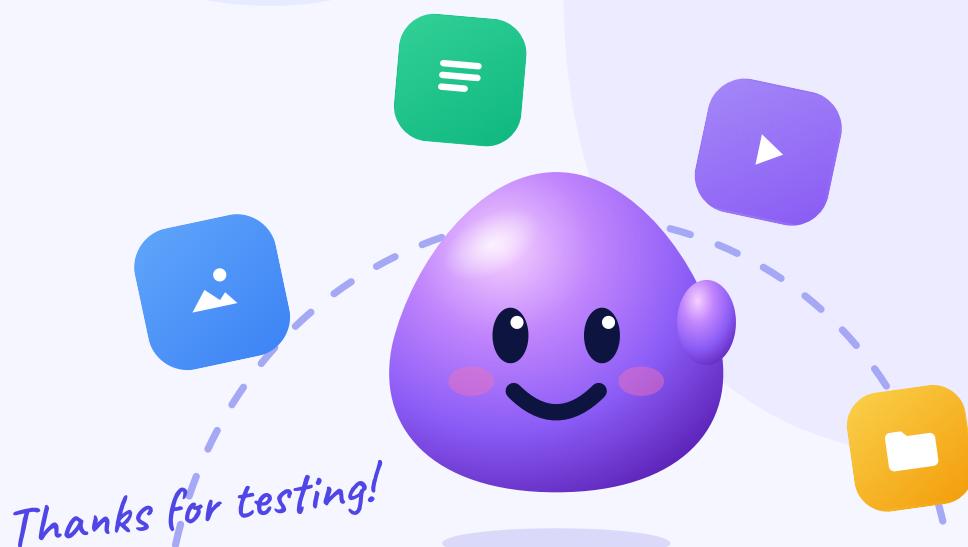




Relay files. Not limits.

Send photos, videos and documents straight from one device to another. Encrypted end to end, no account, and nothing kept on a server.

✓ End-to-end encrypted

✓ No account or email

✓ Nothing stored on a server

✓ £0.00 gas fees, ever

Tester guide · Updated 9 October 2026 · Relay 1.4 · www.relayfiles.uk

Invite only. Please keep this guide and your invite code to yourself.



STEP ONE

Get Relay on your device

Android phones can install the app. Everything else, including iPhone, iPad and computers, uses the web link and adds Relay to the Home Screen. Both work the same way.

ANDROID

Install the app



- 1 Scan the code with your camera, or open the link below in **Chrome**.
- 2 Tap **Download**. Chrome may warn the file could be harmful. That's normal for apps that aren't from the Play Store, so tap **Download anyway**.
- 3 Tap **Open**, allow Chrome to install apps if asked, then tap **Install**. If Play Protect asks, tap **More details**, then **Install anyway**.
- 4 Open **Relay** from your apps.

`app.relayfiles.uk/relay-beta.apk`

Rather not install a file? Use the link method instead:
open `app.relayfiles.uk` in
Chrome, tap the menu, then **Add to Home screen**.

IPHONE, IPAD AND EVERYTHING ELSE

Use the link



- 1 Scan the code with your camera, or open the link below in **Safari**.
- 2 Tap **Share** (the square with an arrow), then **Add to Home Screen**, then **Add**.
- 3 Open **Relay** from your Home Screen. It runs full screen, like any other app, and can send you notifications.

`app.relayfiles.uk`

On a computer, open the link in Chrome, Edge or Safari. Chrome and Edge offer **Install** in the address bar. On a Mac in Safari, choose **File**, then **Add to Dock**.

Your invite code

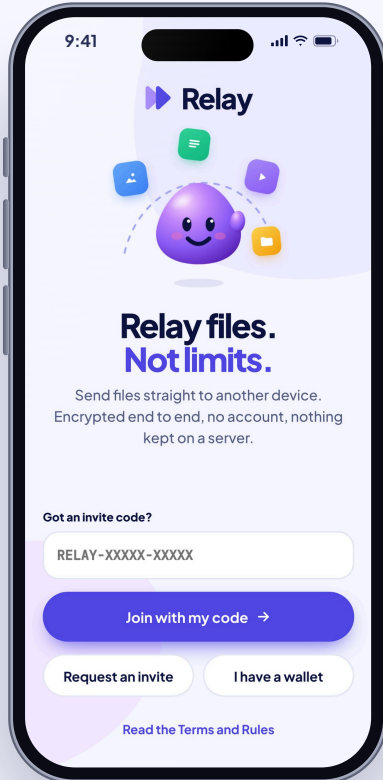
Fahd will send you a personal code. Enter it on the first screen. It works once, on one device. No code? Tap **Request an invite** and add a short note so Fahd knows it's you. You're let in as soon as it's approved.

RELAY-XXXXX-XXXXX

STEP TWO

Set up in two minutes

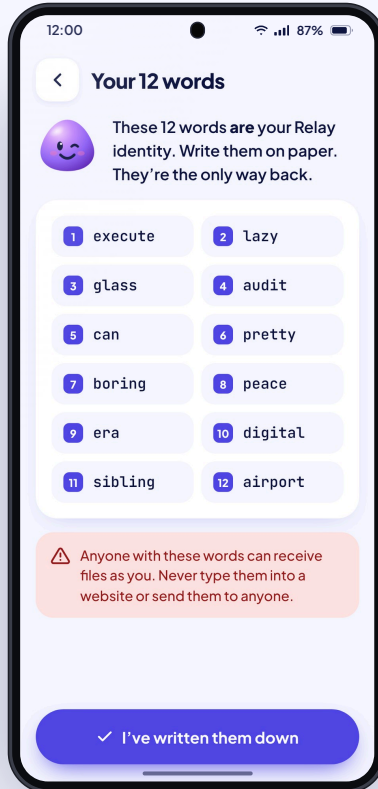
There's no account to make. Your wallet is created on your device and stays there.



1

Enter your invite code

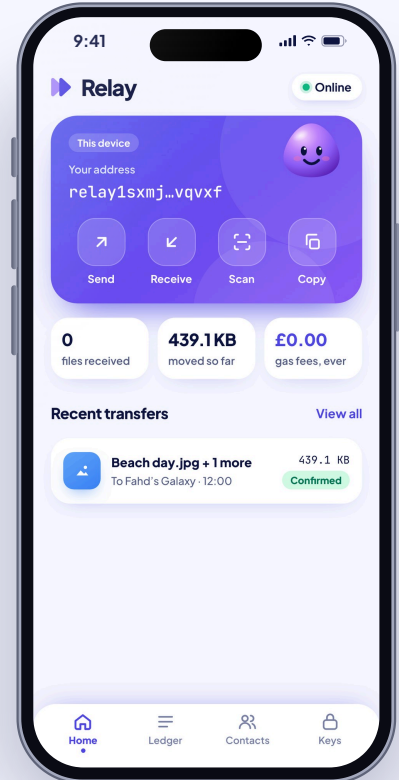
Then agree to the rules. Relay is for ages 13 and over.



2

Write down your 12 words

They are your wallet. Write them on paper and keep them safe. Nobody can recover them for you, including Fahd.



3

Choose a PIN

Add Face ID or your fingerprint if you like. When the green **Online** dot shows, you're ready.



Your 12 words are the only way back

There's no password reset. If you lose your phone or delete Relay, type your 12 words on a new device to get your address back. Never share them. Anyone with them can receive files as you.

Already have a wallet?

Tap **I have a wallet** on the first screen and type your 12 words. You won't need a new invite code.

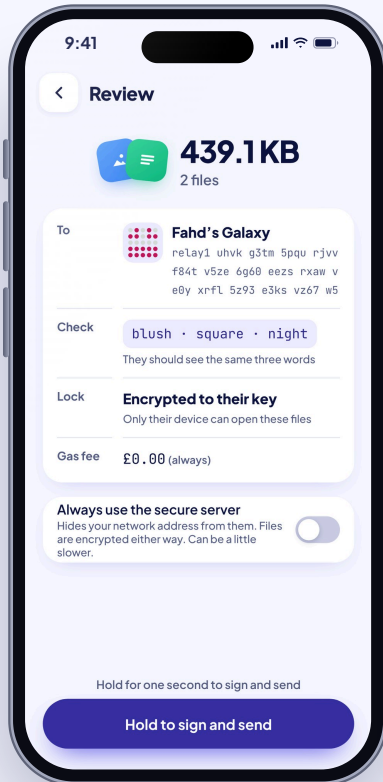
Relay locks itself

After 5 minutes away, unlock with your PIN or Face ID. Five wrong PINs in 24 hours removes the wallet from that device until you type your 12 words.

STEP THREE

Send and receive

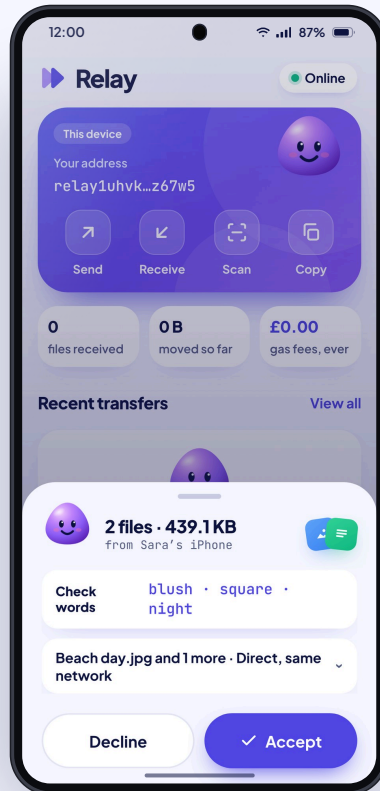
Here an iPhone sends to a Samsung Galaxy. Files go straight between the two devices, encrypted the whole way. Keep Relay open on both until it's done.



1

Send

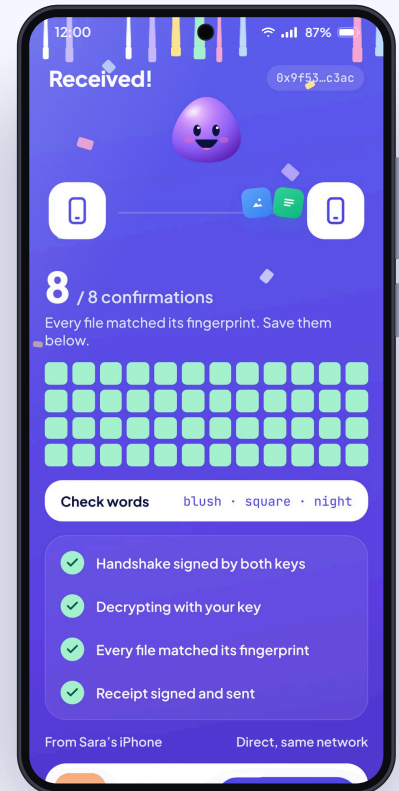
Tap **Send**. Paste their address, scan their QR code or pick a saved contact. Choose files, tap **Review**, then hold the button for one second.



2

Check the three words

A sheet pops up on their device. You both see three words. If they match, it's really you, so they tap **Accept**.



3

Save

Every file is checked as it lands, and the sender gets a signed receipt. Tap **Save to Files** to keep them.

Share your address

Receive shows your QR code and a link you can send.

Save contacts

Name the people you send to and skip a step next time.

Notifications

Receive, then Notify me. On iPhone, Relay must be on your Home Screen.

Sounds

A knock when someone wants to send, a coin when files land. Turn off in Keys.

Hide your network address

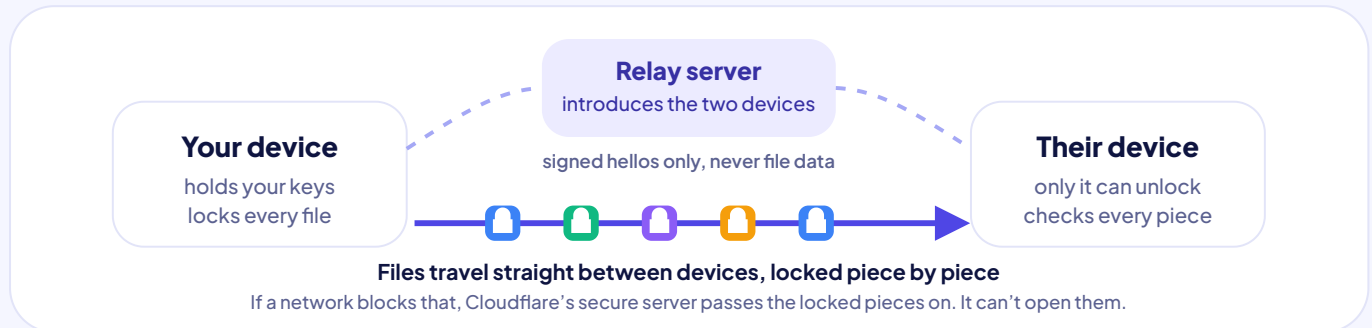
Turn on Always use the secure server, in Receive or before you send.

Your ledger

Every transfer and its receipt, kept on your device only.

How Relay keeps your files safe

Nobody in the middle, including us, can read what you send. Here's how, with the detail for anyone who wants it.



1 Your identity

Your 12 words create your keys on your device. Your address is your public key, so nobody can pretend to be you.

BIP39 (128-bit) → HKDF-SHA256 → Ed25519 ·
address = bech32m public key with checksum

2 A signed handshake

Both devices sign their connection details, so the server can't slip itself in between. The three check words come from both keys.

Ed25519-signed offer and answer · timestamp +
random nonce stop replays · check words = SHA-
256 of both keys

3 Encrypted transfer

Every transfer gets fresh one-time keys. Files are locked in 64 KB pieces, and each file must match its fingerprint when it lands.

X25519 one-time keys → HKDF → AES-256-GCM, one
key each way · inside WebRTC's DTLS · SHA-256
per file · signed receipt

4 Locked on your device

Your words are locked with your PIN or Face ID. Your contacts, ledger and block list are encrypted too.

PBKDF2-SHA256, 600,000 rounds + AES-256-GCM ·
Face ID via passkey (WebAuthn PRF) · 5 wrong
PINs in 24 h removes the wallet

5 A server that knows very little

It introduces devices and counts daily totals. It never stores files or their names, and keeps no record of who sends to whom.

Sign-in by signature, no passwords · secure-
server passwords last 6 h, signed-in devices
only · rate and size limits

6 A locked-down app

No adverts, trackers or outside scripts. Everything the app runs comes from Relay itself, and notifications are empty.

Strict Content Security Policy · self-hosted
fonts · HTTPS only (HSTS) · can't be embedded in
other sites

Tested against

Attacks it refuses, and stress tests it passes:

- ✓ Forged signatures
- ✓ Replayed requests
- ✓ Someone else's inbox
- ✓ Poisoned file lists
- ✓ Data before you accept
- ✓ Message floods
- ✓ Plain-text storage
- ✓ 200 MB file intact
- ✓ 200 files at once

What encryption can't do

- Anyone with your 12 words can receive as you. Keep them offline.
- It can't protect a phone that already has malware on it.
- The three words only stop impostors if you check them.
- The server sees your network (IP) address while you're connected.
- Relay hasn't had an independent security audit yet.

Help us make it better

This is an early test build. Try to break it, and tell us what happens.

What to try

- ☐ Send a photo from your phone to your computer, and back again.
- ☐ Send something to another tester.
- ☐ Send a video, the bigger the better (up to about 1 GB on a phone).
- ☐ Try on Wi-Fi, then on mobile data.
- ☐ Turn on notifications, close Relay, and ask someone to send you a file.
- ☐ Lock Relay and get back in with your PIN or Face ID.

Good to know

- Keep Relay open on both devices until a transfer finishes.
- It's a test build, so expect rough edges and the odd update.
- Android warns that the app isn't from the Play Store. That's expected during the beta.
- Very large files, over 1 GB, can run out of memory on phones.
- Nothing is kept on a server. If a transfer stops, just send it again.

CAN'T SEE What Relay never sees

- Your files, or even their names
- Your 12 words or your PIN
- Your contacts, your history, or who you send to

KEEPS What Relay does keep

- A fingerprint of your device, never your name or number
- The day you last used Relay
- Daily totals, like how many transfers happened



Tell Fahd what broke, what confused you and what you loved

Email with your phone model, what you were doing, and a screenshot if you can. Or in the app, go to **Keys**, then **Report a problem**.

support@relayfiles.uk

www.relayfiles.uk

By using Relay you agree to its Terms and Rules at app.relayfiles.uk/terms. Relay follows UK law, including the Online Safety Act. Don't use it to send anything illegal, harmful or that you don't have the right to share. More about Relay, and the latest copy of this guide, at www.relayfiles.uk.