



GodwinMix: questions and answers

Five short answers on one page, then the longer questions people ask about running GodwinMix.

OCTOBER 2026

Five questions

What does it do?

It mixes several cameras, phones, files and web pages into one live programme and sends it to YouTube, Facebook, Twitch, your own site or a broadcaster, several at once. You press Take in a web page, from a phone, or let a script or an AI assistant do it.

Who uses it?

People who want a mixer on their own machine or server: churches, classrooms, sports clubs, event producers, broadcast engineers, and companies that want a channel run by software. It is young, so today it suits people willing to be early.

What does it cost?

The software is free under the Apache 2.0 licence, with no account. You pay for your own machine and connection, and for our time if you want us to set it up, train your people or build something: [fee to be confirmed].

When can we go live?

A church already streaming can be on GodwinMix in an afternoon. A classroom or club with training takes about a week. A broadcaster's contribution chain or a bespoke plugin takes a month or more. These are our estimates.

How is it safe?

The stream does not drop when a camera or a destination does: viewers see black instead of an error, and each destination reconnects on its own. Phones and AI assistants get their own access, which you can withdraw at any time. Stream keys are never shown again after you enter them. It runs on your machine, and your video goes from there to your destinations and nowhere else.

Running a show

What happens if a camera cable is pulled during the show?

That camera's picture goes and viewers see black in its place. The stream keeps running and every destination stays connected. When the camera comes back, it restarts in about two seconds and you can take it again.

What happens if our internet drops for a moment?

GodwinMix holds back about 5 seconds of the show to cover a short drop, and reconnects each destination by itself in about 2 seconds. In testing, with the receiving server switched off for 15 seconds, the stream was live again 5 seconds after it came back. It has not yet been measured against YouTube itself.

Can volunteers run it?

That is what the `church` preset is for: a few scene tiles and a red button to go live. The operator page works by touch on a tablet or phone. We would still train them and run rehearsals first.

Can more than one person operate at once?

Yes. Several people can work on one mixer, each with their own undo. If one person's undo would overwrite someone else's later change, it is refused and says who made it.

Can we use phones as cameras?

Yes. Scan a QR code from the mixer and the phone sends its camera, with nothing to install. Each phone gets its own name and can flip between front and back cameras.

How do remote guests join?

Through a page in their browser. They need no account and nothing installed. Until per guest invites exist, the link carries the channel's key, so treat it like a password and change it afterwards. Guests on another network need the mixer at a secure (https) web address, which we set up.

Can we record as well as stream?

Yes. Recording is built in, and even if the machine crashes the recording up to that moment plays.

Can it play an advert and come back by itself?

Yes. An ad break can run immediately or at a set time, with automatic return. In testing a scheduled cue landed within 4 ms of its time, well inside one frame.

Do we need a capture card?

Not usually. USB cameras, phones, cameras on the local network and streams from encoders all arrive without one. SDI and HDMI through Blackmagic DeckLink exist in the code but have never been run against a real card.

Machines and setup

What computer do we need?

A graphics card helps but is not required. On a recent fast Mac, a two camera 720p show used less than one processor core. Smaller machines have not been measured, so we test on yours first. 1080p at 60 frames a second with no GPU is more than a laptop can manage.

Which systems does it run on?

Windows, macOS on Apple Silicon, and Linux, as a desktop app. On a server it runs with no screen at all.

We already use OBS. Can we bring our scenes across?

Yes, drop in an OBS scene collection. It tells you what it could not bring across. GodwinMix is not affiliated with the OBS Project.

Can it capture a game on Windows?

No, and not in the first year. Screen capture covers a whole display or a region.

Can it send vertical video for TikTok and horizontal for YouTube at the same time?

No. It produces one picture shape at a time.

AI and automation

What does "run by an AI" actually mean?

An AI assistant connects to the mixer the same way a person's page does, through a standard made for assistants (MCP). It sees what is on air and a small labelled picture of every source, and it can take shots, add graphics and so on. The mixer holds assistants to safety rules: at least eight seconds per shot and twelve takes a minute, plus a flash guard.

Which AI assistants work?

Help, Connect an AI agent has a one button setup for Claude Code, opencode, pi, Codex, Gemini CLI, Cursor and VS Code. It has been run against a real mixer on Windows 11 with Claude Code, opencode and pi. That feature is on the main line of the code, not yet in a tagged release.

Who pays for the AI?

You do, directly to the AI vendor. GodwinMix is designed to keep that small: the assistant looks at small pictures, which cost far less than full size ones.

Can we leave a channel running overnight with nobody watching?

Not yet, on our advice. The project's own endurance acceptance is outstanding, and it says not to recommend unattended shows until it is done.

The project

Is it finished?

No. The current release is 0.2.1, from 5 October 2026. The project does not yet claim production parity with OBS, vMix or Wirecast. We tell you that before you pay for anything.

What if the project stops?

The code is Apache 2.0, so you can keep using it, change it and have someone else maintain it. The project promises not to break scripts and integrations written against it, and any future change of that kind comes with a year of overlap.