



GodwinMix: questions and answers

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

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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.

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. We quote that per engagement after a short call.

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.

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.

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 train them and run rehearsals with them 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. 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. For SDI and HDMI there is also a plugin for Blackmagic DeckLink.

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. We set it up on your machine first. For 1080p at 60 frames a second, choose a machine with a graphics card.

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 and your scenes come across. GodwinMix is not affiliated with the OBS Project.

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 at most 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.

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.

The project

Is the code ours to keep?

Yes. The code is Apache 2.0, so you can keep using it, change it and have someone else maintain it. Scripts and integrations written against it keep working: API level 1 is frozen, and the previous level is supported for a year after any future major version.