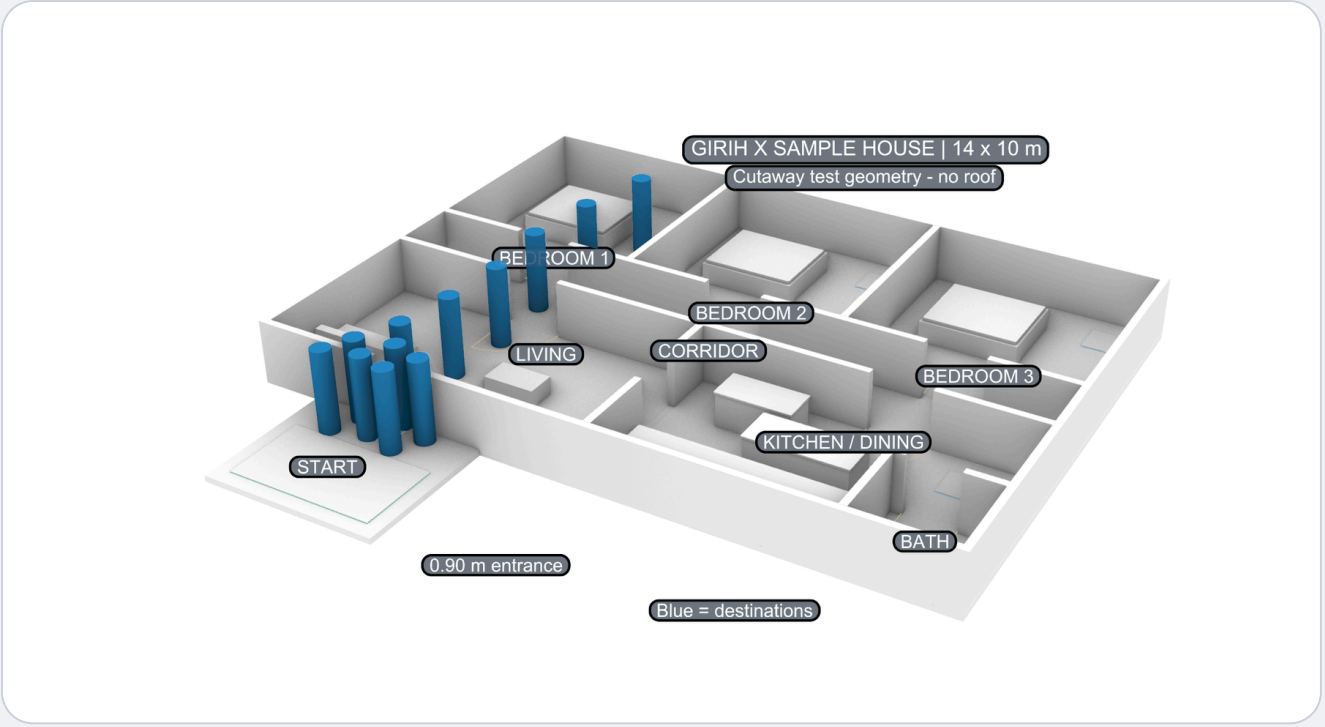
GIRIH X
STREAMLINE DESIGN
EMPOWER CONSTRUCTION

CHOOX-FLO USER GUIDE 1 OF 2

Get started with *ChooX-FLO*

Create your free GIRIH X account, install ChooX-FLO for Rhino 8 and activate it. Allow about ten minutes.



ChooX-FLO in Rhino 8: twelve people walking from the start area through the sample house.

01 SIGN UP
02 DOWNLOAD
03 INSTALL
04 ADD TOOLBAR
05 ACTIVATE

BEFORE YOU START

What you *need*

Check these before you begin. If Rhino 8 already runs on your PC, you are most of the way there.

You need	Details
A Windows PC, 64–bit	ChooX-FLO runs on Windows only and was tested on Windows 11. It is not available for macOS.
Rhino 8 for Windows	Rhino 7 and Rhino for Mac are not supported.
A free GIRIH X account	Created on **store.girihx.com** in step 01. It is used only to activate ChooX-FLO.
Internet access	To create your account, download the installer and activate. After that ChooX-FLO works offline for up to 30 days.
About 130 MB of disk space	The installer is 65 MB. It installs for your Windows user only, so you do not need administrator rights.

WHAT CHOOX-FLO IS

An exploratory pedestrian movement tool inside Rhino. It simulates people walking across one floor in 2D so you can compare the circulation of design options early.

WHAT IT IS NOT

ChooX-FLO is not evacuation, life-safety, fire-engineering, accessibility or compliance software. Its results are uncalibrated and do not replace professional assessment.

YOUR MODEL STAYS ON YOUR COMPUTER

Studies run on your PC. ChooX-FLO does not upload your Rhino model or results. Activation and update checks contact the GIRIH X licence service without any model data.

Next: create your account. The five steps that follow take you from no account to your first activated session.

STEP 01

Create your account and *claim the licence*

ChooX-FLO is free. Your GIRIH X account holds the licence that activates it.

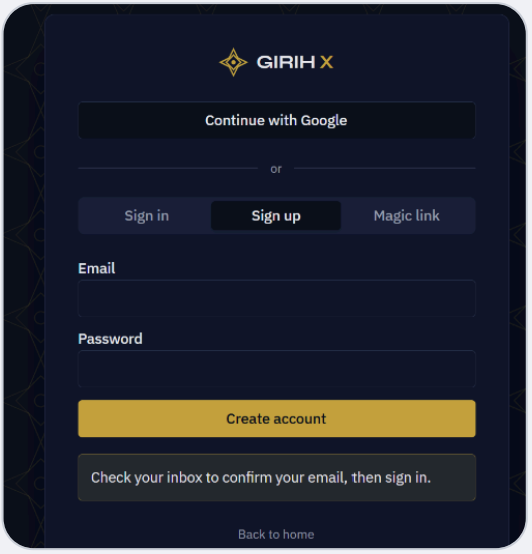
1 **Open the ChooX-FLO page**
Go to store.girihx.com and open ChooX-FLO under Rhino plugin.

2 **Claim the free licence**
Click Claim free licence.

3 **Sign in or sign up**
Use Continue with Google, or choose Sign up and enter your email and a password, then click Create account.

4 **Confirm your email**
If you signed up with email, open the confirmation message from GIRIH X, confirm, then sign in.

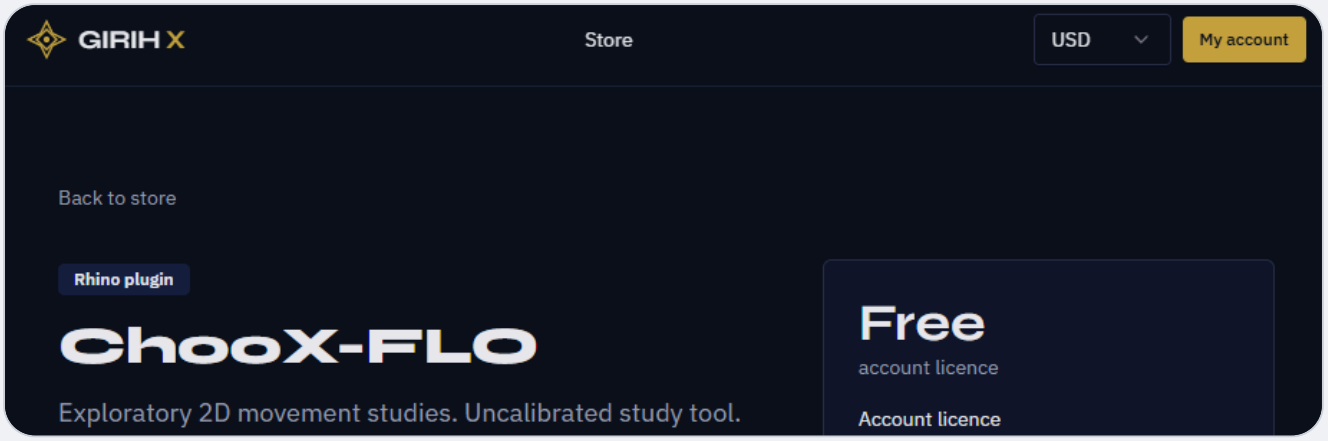
5 **Finish the claim**
Back on the ChooX-FLO page, click Claim free licence if it is still shown.



The sign-up form on store.girihx.com.

EXPECTED RESULT

The ChooX-FLO page shows Account licence: active and a View My Products button.



The ChooX-FLO page. **Claim free licence** claims the free account licence.

STEP 02

Download the *installer*

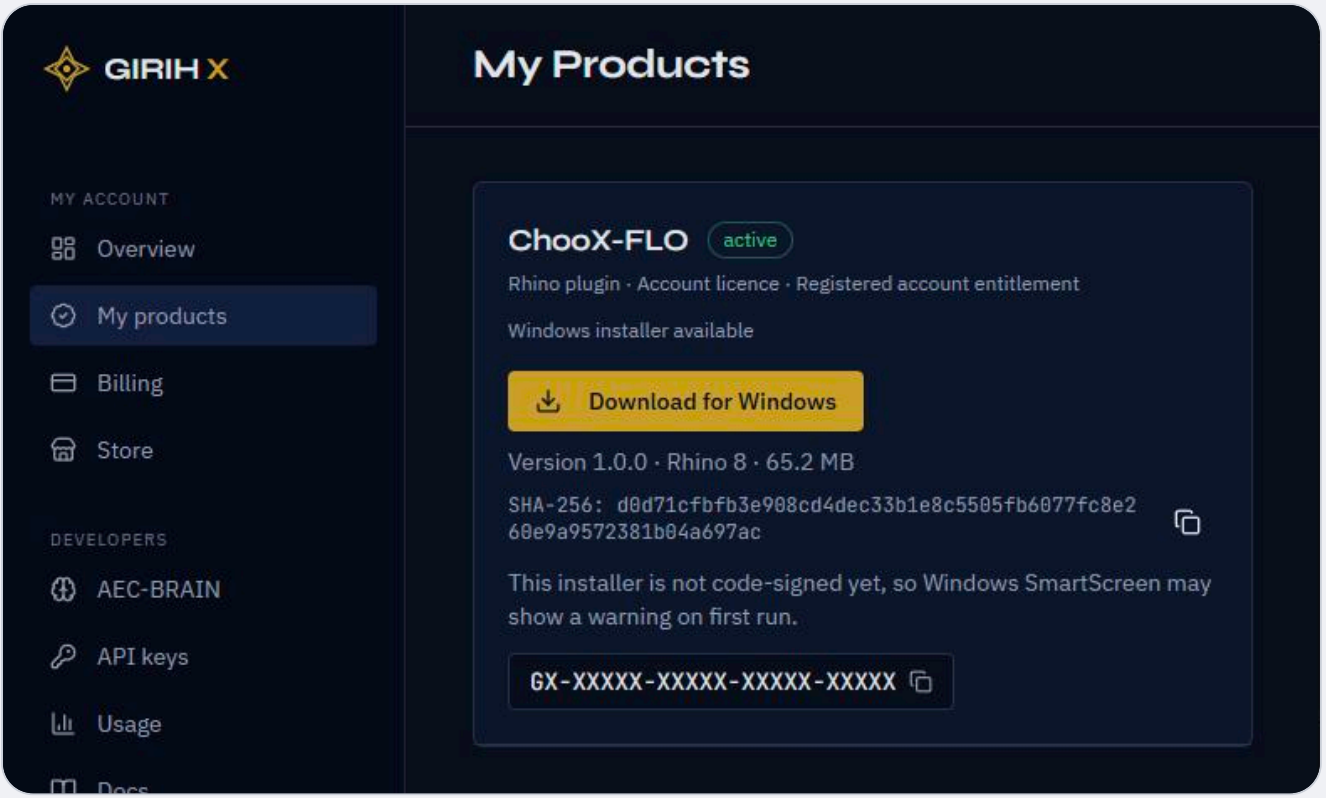
The Windows installer sits with your licence under My products.

1 **Open My products**

On store.girihx.com click **My account**, then **My products**.

2 **Download**

On the ChooX-FLO card click **Download for Windows**. Your browser saves `ChooX-FLO-1.0.0-x64.msi` to your Downloads folder.



My products: version, Rhino version, size and the SHA-256 fingerprint of the installer. Your licence key appears below them.

OPTIONAL: CHECK THE FILE

In PowerShell, run `Get-FileHash .\ChooX-FLO-1.0.0-x64.msi` and compare the result with the SHA-256 shown on the card. A match proves the download is complete and unchanged.

IF WINDOWS WARNS YOU

The installer is not code-signed yet, so Windows SmartScreen may show **Windows protected your PC**. If you downloaded it from store.girihx.com, click **More info**, then **Run anyway**.

STEP 03

Install *ChooX-FLO*

The installer has no options to choose. It installs for your Windows user only and needs no administrator rights.

1 **Close Rhino**
Save your work and close every Rhino window.

2 **Run the installer**
Open your Downloads folder and double-click `ChooX-FLO-1.0.0-x64.msi`.

3 **Wait for it to finish**
A small Windows Installer window shows progress and closes by itself, usually within a minute.

What gets installed

Where	What
`%LOCALAPPDATA%\GIRIH X\ChooX-FLO`	The application, its calculation engine (Python 3.12, JuPedSim, NumPy, Shapely), the sample files and the Rhino toolbar file.
`...\ChooX-FLO\Samples`	The sample house `pedsim.3dm` with a saved study and results. **Use test house** uses it.
`...\ChooX-FLO\rhino\ChooX-FLO.rui`	The toolbar you add to Rhino in step 04.
Start menu	**GIRIH X ChooX-FLO**, with **ChooX-FLO installation instructions**.

GOOD TO KNOW

Installing does not start Rhino or add the toolbar. You add the toolbar once, in the next step. ChooX-FLO also appears in Windows **Settings > Apps > Installed apps** with the GIRIH X logo, which is where you uninstall it.

STEP 04

Add the toolbar *to Rhino*

You do this once. Rhino remembers the toolbar for every model after that.

1 **Open Rhino 8**

If this PC has never used Python in Rhino, type `ScriptEditor` in the command line once, let Rhino finish its setup, then close the editor.

2 **Open the toolbar settings**

Go to **Tools > Options > Toolbars**.

3 **Open the ChooX-FLO toolbar file**

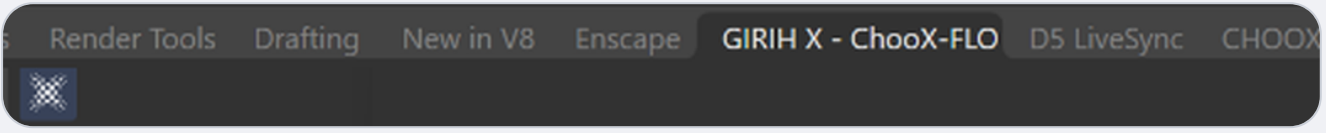
In that page's **File** menu choose **Open**. Paste the path below into **File name**, click **Open**, then **OK**.

4 **Show it if hidden**

If you cannot see it, type `Toolbar` in the command line and tick **GIRIH X – ChooX-FLO**.

Path to paste

```
%LOCALAPPDATA%\GIRIH X\ChooX-FLO\rhino\ChooX-FLO.rui
```



The **GIRIH X – ChooX-FLO** toolbar tab with its single GIRIH X button. Point at the button to see **Open ChooX-FLO**.

EXPECTED RESULT

A toolbar tab named **GIRIH X – ChooX-FLO** with one button showing the GIRIH X logo.

STEP 05

Open ChooX-FLO and *activate*

Activation links this computer to your free licence. You sign in through your web browser; ChooX-FLO never asks for your password.

1 **Open ChooX-FLO**

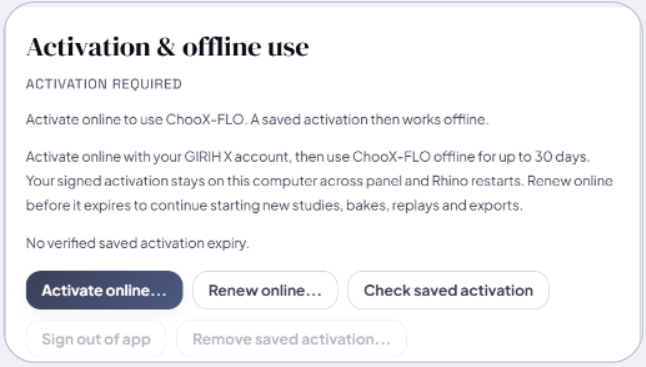
Open a Rhino model and click the GIRIH X button. ChooX-FLO opens in its own window. **Run study** stays greyed out until you activate.

2 **Open the Licence tab**

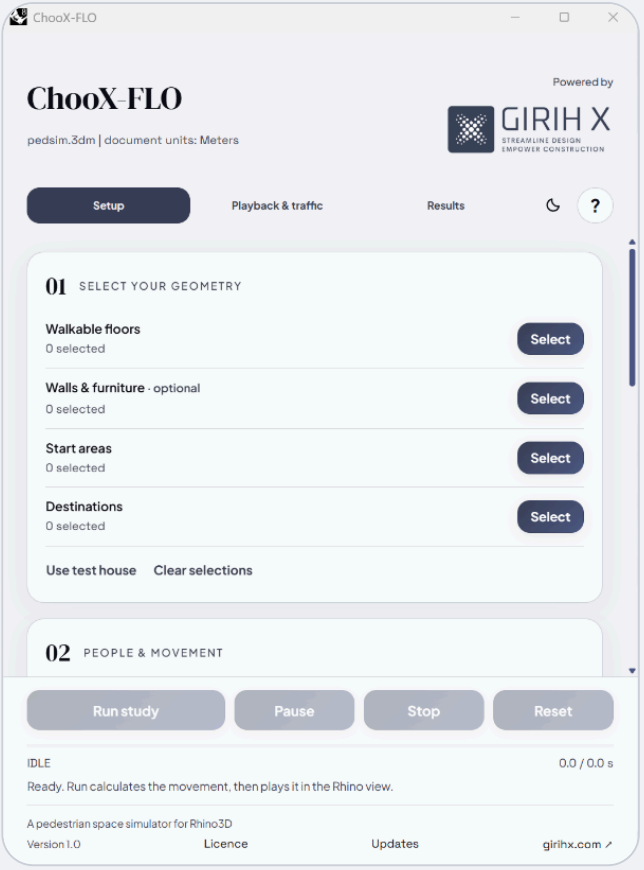
Click **?** at the top right of the window, then **Licence**.

3 **Start the activation**

Click **Activate online…** and your web browser opens a GIRIH X page.



The Licence tab before activation shows **Activation required**.



Before activation: **Run study** is greyed out.

STEP 05 CONTINUED

Approve in your *browser*

4 **Sign in**

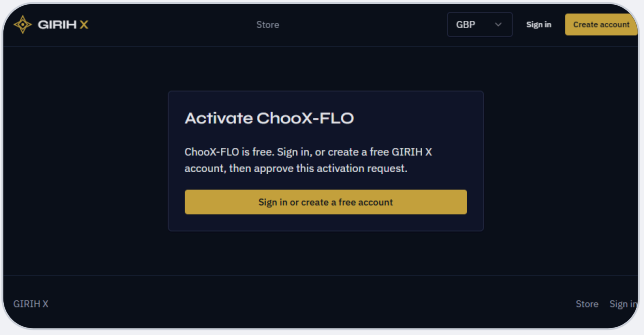
On **Activate ChooX-FLO** click **Sign in or create a free account** and sign in with the account from step 01.

5 **Approve**

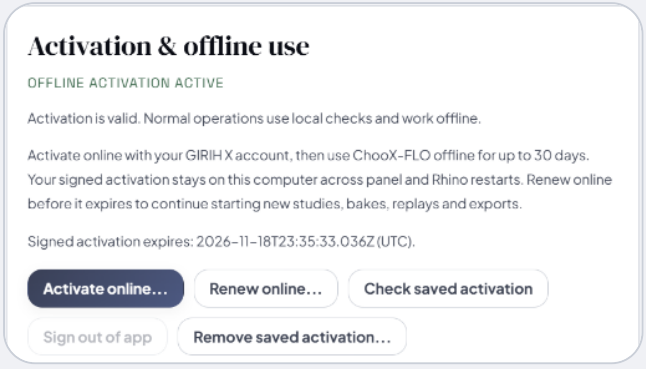
Click **Approve activation**. The browser then shows **Request received. You can return to Rhino.**

6 **Return to Rhino**

The **Licence** tab now shows **Offline activation active** and the date your activation expires.



The activation page opened by ChooX-FLO.



After activation: active, with its expiry date.

EXPECTED RESULT

The footer of the ChooX-FLO window reads **Licence active** and **Run study** is available.

YOU ARE READY

Continue with **User guide 2: How to use ChooX-FLO**. It starts with the built-in test house, so you can run a study within a minute.

AFTER YOU ACTIVATE

Stay activated and *up to date*

Your activation is saved on this computer and lasts 30 days, online or offline.

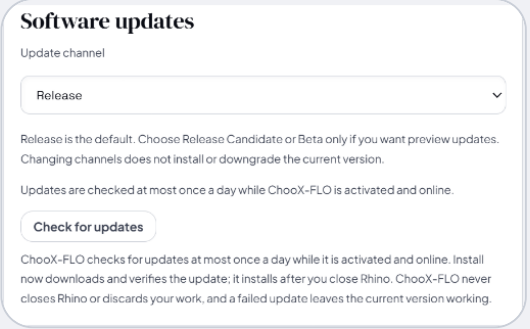
In Help > Licence	What it does
Activate online…	Signs this computer in through your browser and saves a signed activation for 30 days.
Renew online…	Gets a fresh 30-day activation. Do this before the expiry date shown.
Check saved activation	Re-checks the activation saved on this computer.
Sign out of app	Ends the temporary sign-in. The saved activation stays.
Remove saved activation…	Deletes the saved activation from this computer after you confirm. Your account licence is not affected.

Software updates

While activated and online, ChooX-FLO checks for a new version at most once a day. You can also check yourself in **Help > About > Software updates**.

1 **Install now**
Downloads the update and verifies it. Keep working.

2 **Close Rhino**
The update installs after Rhino closes. ChooX-FLO never closes Rhino or discards work, and a failed update leaves the current version working.



Help, About, Software updates.

UPDATE CHANNEL

Release is the default. Choose **Release Candidate** or **Beta** only if you want preview versions.

HELP

If something *does not work*

You see	What to do
Run study is greyed out	Activate (step 05). If your activation has expired, click **Renew online…** in the Licence tab.
No GIRIH X toolbar in Rhino	Repeat step 04, or type `Toolbar` and tick **GIRIH X – ChooX-FLO**.
Windows protected your PC	Click **More info**, then **Run anyway** (step 02).
Another ChooX-FLO panel is open…	Save your work, close Rhino normally and open it again.
ChooX-FLO could not open: in the command line	Copy the full message and send it to GIRIH X.
The Microsoft Edge WebView2 Runtime is missing.	Install the WebView2 Runtime from Microsoft, then restart Rhino.
The browser does not open on activation	Check your internet connection and default browser, then click **Activate online…** again.

Uninstall

Close Rhino, then go to **Settings > Apps > Installed apps**, find **ChooX-FLO**, click the three dots and choose **Uninstall**. Your Rhino models and exported results are not touched.

Contact

Questions or a message you cannot resolve: **hello@girihx.com**. Include your Windows and Rhino versions and the exact message.

ChooX-FLO is supplied under the GIRIH X Free Use Licence, shown in **Help > Licence**. It supports early design exploration and comparative pedestrian studies using simplified, uncalibrated assumptions. It is not a certified evacuation, safety or compliance assessment and does not replace appropriate professional assessment.

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