

N.I.X.

NETWORKED INTELLIGENCE EXECUTIVE



User Guide

For everyone who uses NIX: getting started, signing in, and everything you can ask NIX to do.

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NIX is a voice assistant for your Windows PC. You talk to it (or type), and it answers, does things on your computer and online, and works on longer jobs in the background.

Installing NIX

Download **NIX Setup** from initcap.pro and run it. It installs NIX for you only - no administrator rights are needed - into `%LOCALAPPDATA%\Programs\NIX` (you can choose another folder).

Everything NIX needs comes with it: its own Python, Node.js, FFmpeg, the JavaScript engine for YouTube (Deno) and the offline "Hey NIX" model. There is nothing else to download or install.

1. Check the install location and whether you want a desktop shortcut.
2. Read and accept the licence terms, then click **Install**.



Figure: NIX Setup - in NIX's own look.

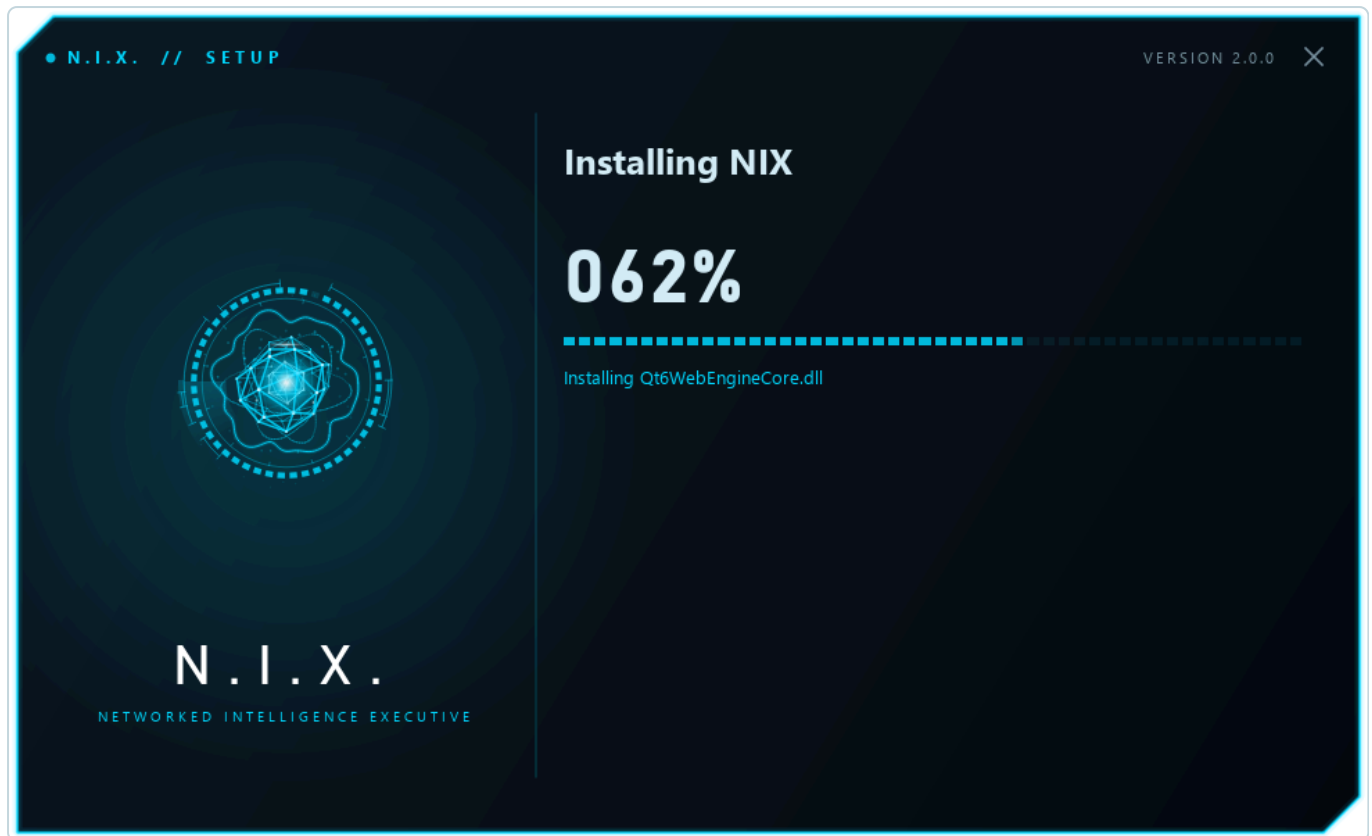


Figure: Installing.

Connect NIX's AI

NIX's voice runs on **Google Gemini**. Paste your Gemini API key (free at Google AI Studio - the page has a link). You can also add a key for one more AI service (Anthropic Claude, OpenAI, OpenRouter, DeepSeek, Mistral or Groq), which NIX uses for coding, reasoning and writing. Each key is checked, then kept in Windows Credential Manager for your Windows account - never in a file, and never sent to InitCap. **Skip** if you don't have a key yet: an Admin can add it in Settings later.

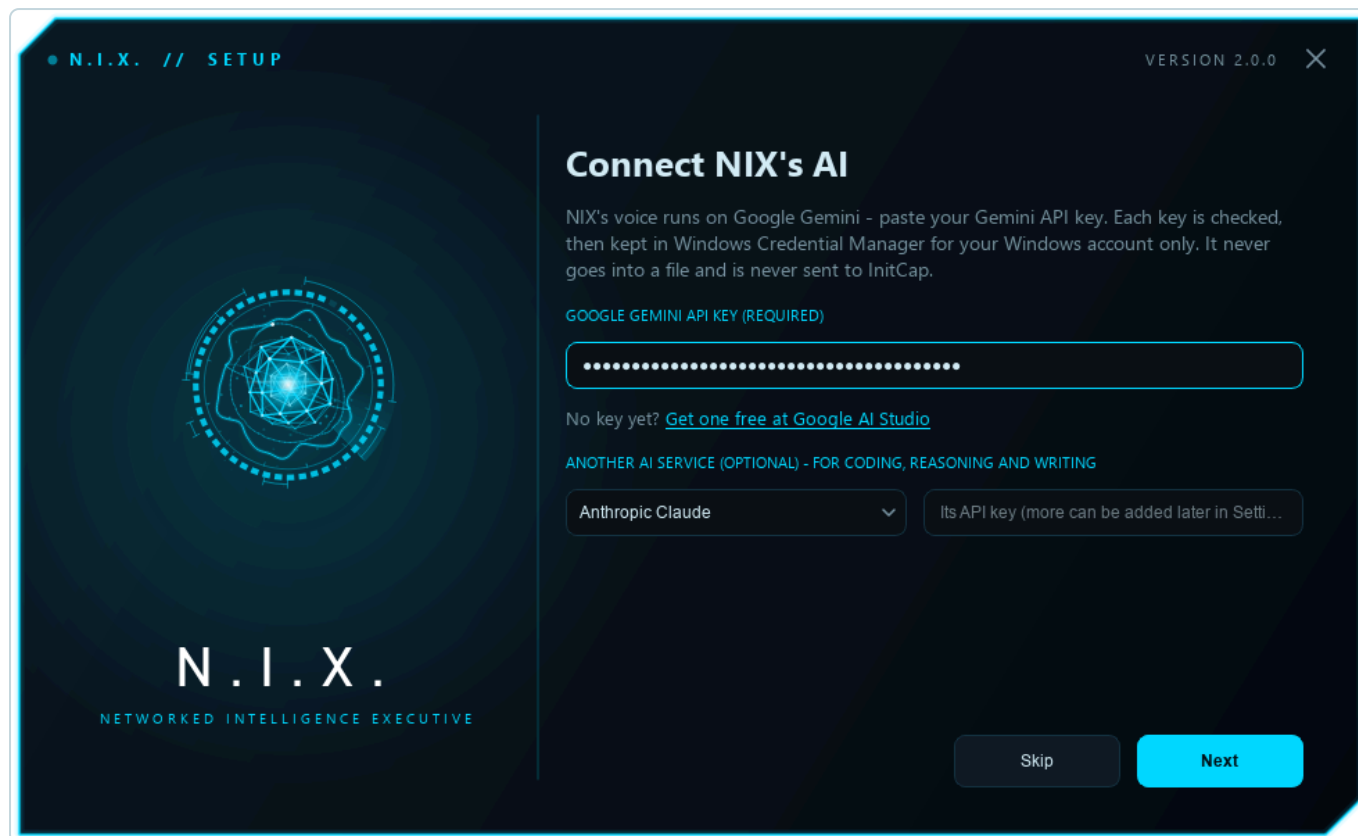


Figure: Connect NIX's AI: the Gemini key is required, one more service is optional.

Activate NIX

Enter the email you bought NIX with and the licence key from your purchase email, and click **Activate** (this needs the internet once). **Skip** to use NIX as a guest - you can activate later with the ACTIVATE button.



Figure: Activate NIX: your purchase email and licence key.

Your sign-in

Once NIX is activated it opens only for the people you add, each signing in with the code from their **authenticator app** (Google Authenticator or Microsoft Authenticator). The first person - you - becomes this PC's **Admin**.

1. Type your name and click **Next**.
2. In your authenticator app, add an account and scan the QR code (or type the setup key shown next to it).
3. Type the 6-digit code the app shows and click **Confirm**.
4. Save the 8 **recovery codes** - each signs you in once if your phone is lost. They are shown only once.



Figure: Your sign-in: scan the QR code with your authenticator app.

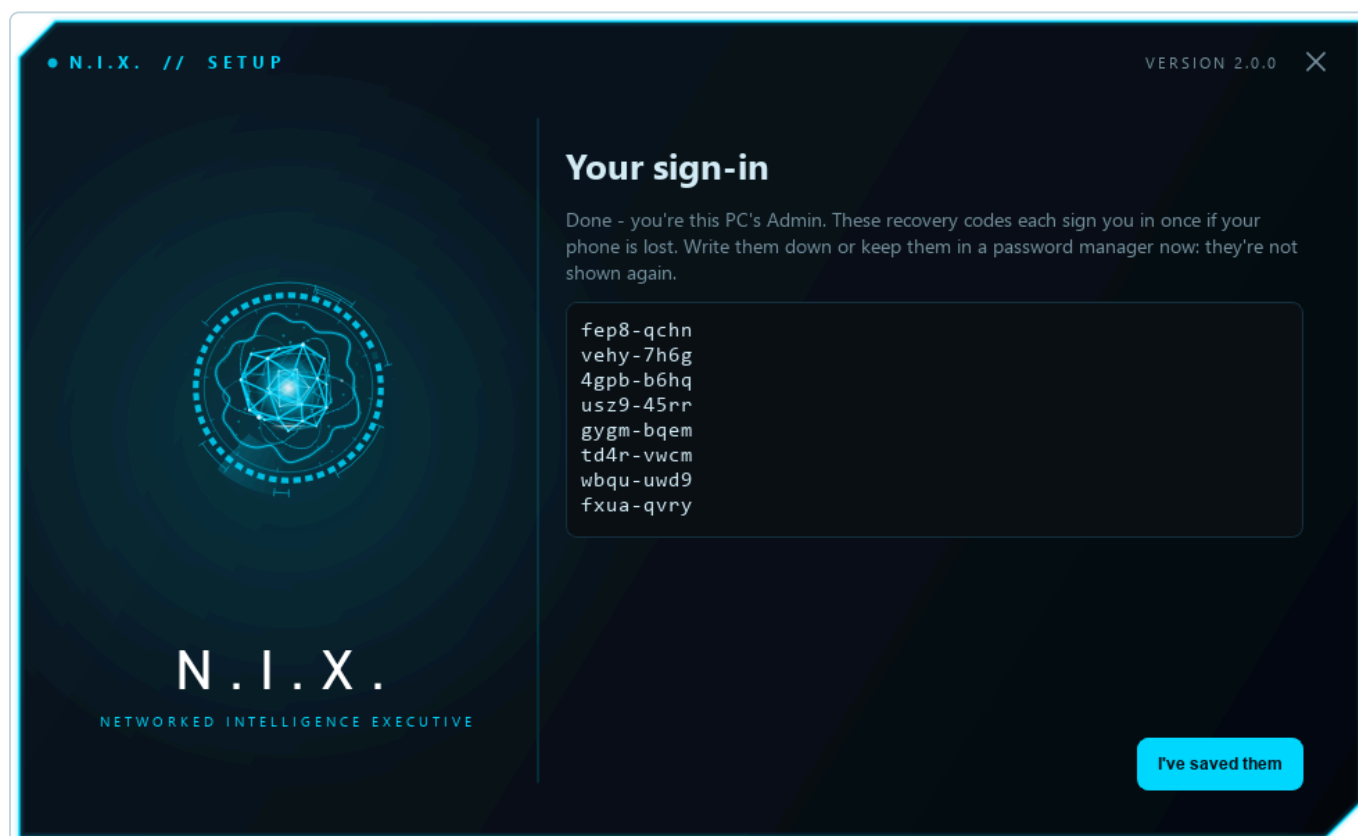


Figure: Your recovery codes - write them down or keep them in a password manager.

Click **Later** to do this when NIX first opens instead. Then leave **Start NIX now** ticked and click **Finish**.

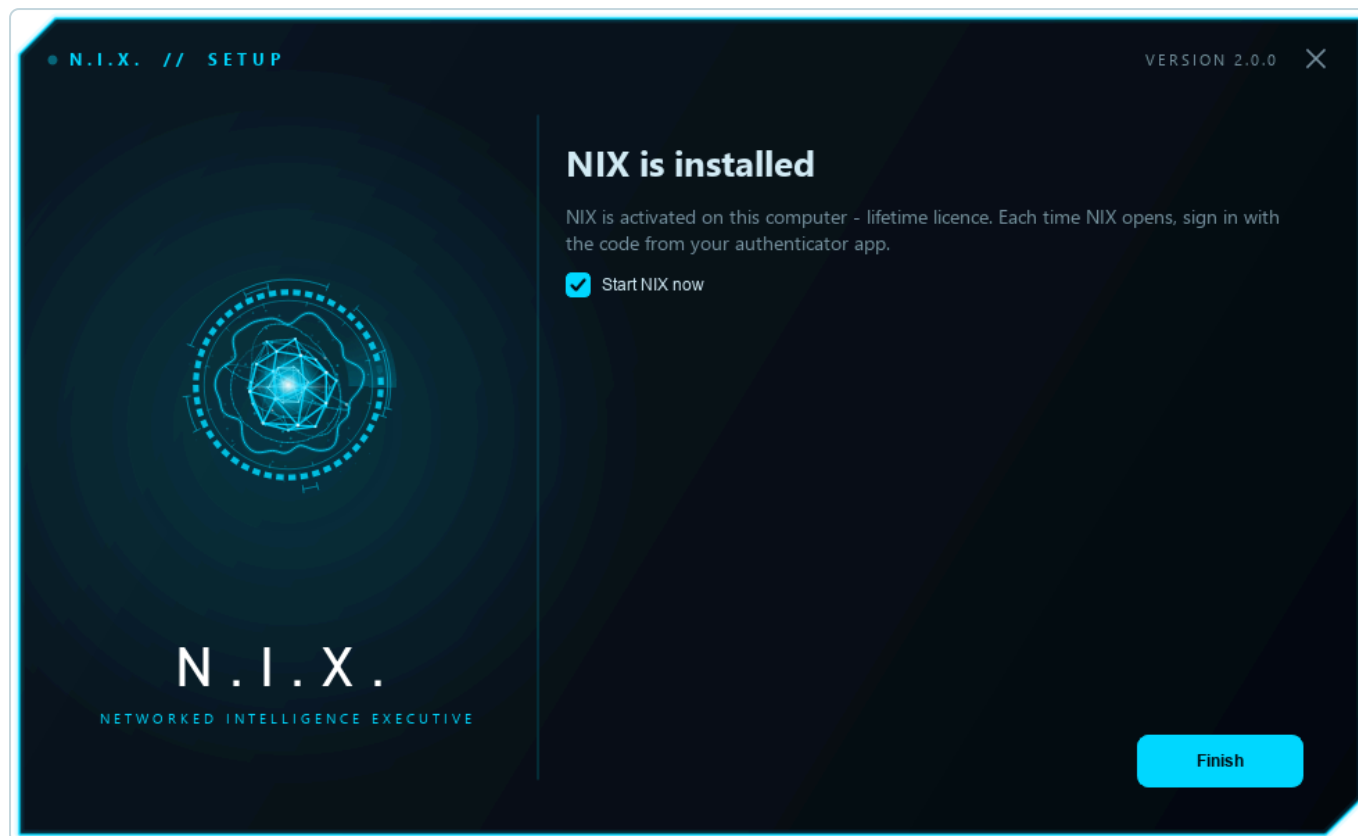


Figure: Installed and activated.

To remove NIX: Windows Settings → Apps → **N.I.X.** → Uninstall (or **Uninstall NIX** in NIX's folder). Your NIX data (memory, settings, licence, sign-ins) is kept unless you tick *Also delete my NIX data*.



Figure: Uninstalling.

Activating NIX

NIX is sold on **initcap.pro** as a **lifetime licence for one computer at a time**. After buying, you get an email with your licence key (`NIXP-XXXXX-XXXXX-XXXXX-XXXXX`). Until NIX is activated it works as a **guest only** - general help, nothing personal, no changes, and nobody can sign in.

You normally activate NIX in Setup. If you skipped it there:

1. Click **ACTIVATE** in the terminal (or say "activate NIX").
2. Enter the **email you bought NIX with** and your **licence key**, then click **Activate**. This needs the internet once.
3. NIX then asks you to **create your sign-in** (see Starting NIX).

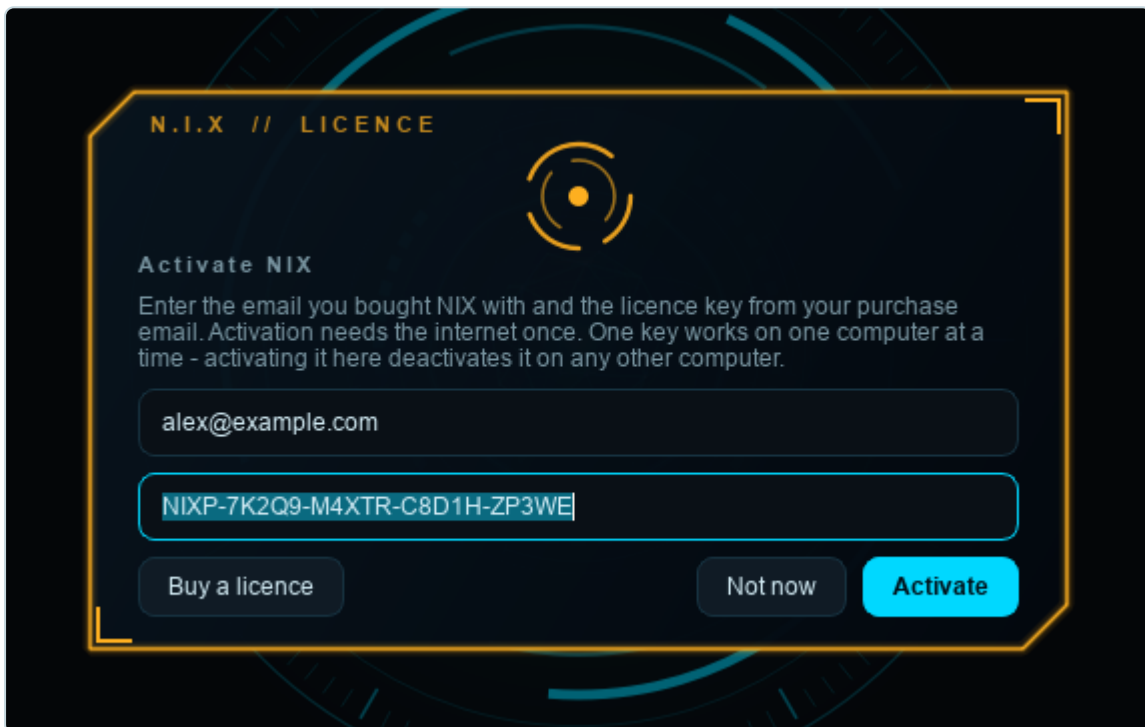


Figure: Activate NIX: your purchase email and licence key.

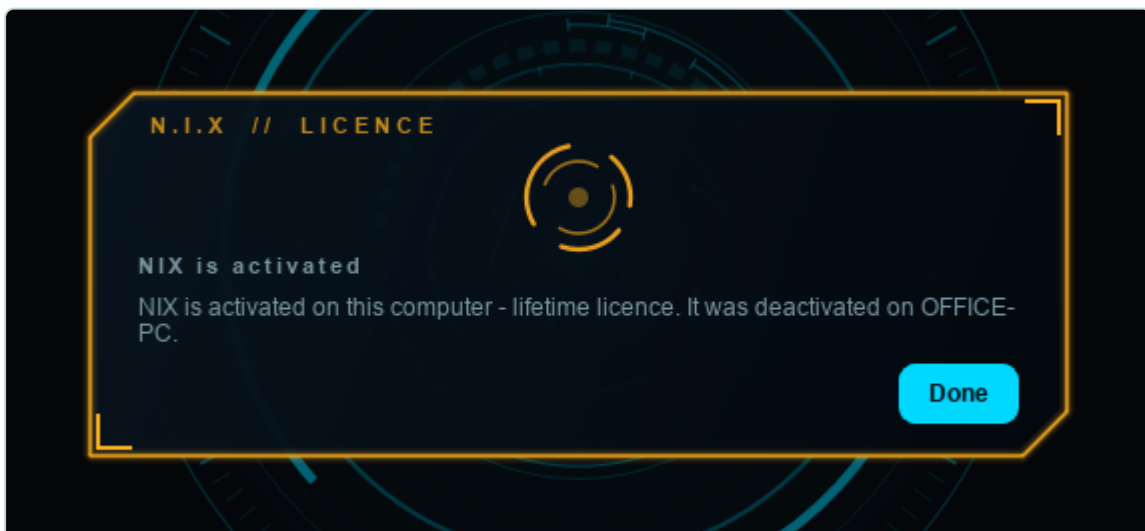


Figure: Activated - a lifetime licence for this computer.

One computer at a time

A licence key works on one computer at a time. If you activate it on another computer (a new PC, for example), the licence **moves** there and the previous computer is deactivated automatically. The next time NIX opens on the previous computer, it says so and works as a guest from then on - and offers to buy a new licence or activate another key.

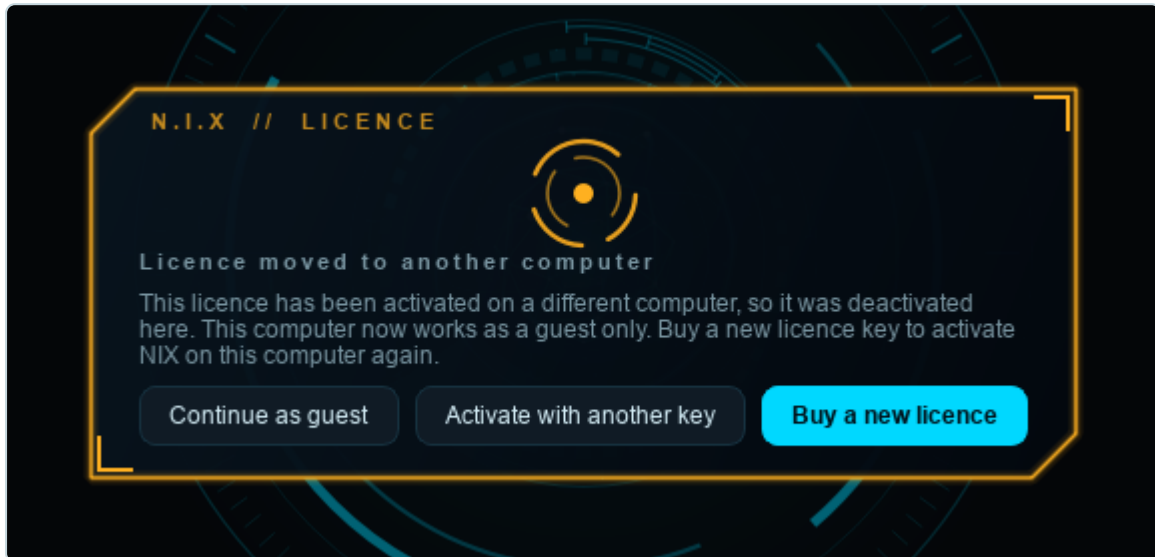


Figure: On the previous computer: the licence was activated somewhere else.

Once activated, NIX keeps working offline - the licence never expires. NIX checks with initcap.pro when it starts and every few hours while it runs (when it's online) to see whether the key was moved.

Starting NIX

Every time NIX starts, it runs a **secure boot**: real checks of this computer and of NIX itself, shown on screen and (optionally) read aloud. NIX opens only when every check has run and the critical ones have passed.



Figure: The secure boot - each line is a real test: processor, memory, storage, power, network, microphone, speaker, core components, library versions, local AI, memory banks, security and the connection to NIX's AI service.

- **Nothing can skip the boot.** Clicks and keys are ignored while the checks run - this is deliberate.
- A yellow **WARN** line is explained in plain words underneath (for example a slow network). NIX still starts.
- A red **FAIL** in a critical check (configuration, core components or security) stops the start.

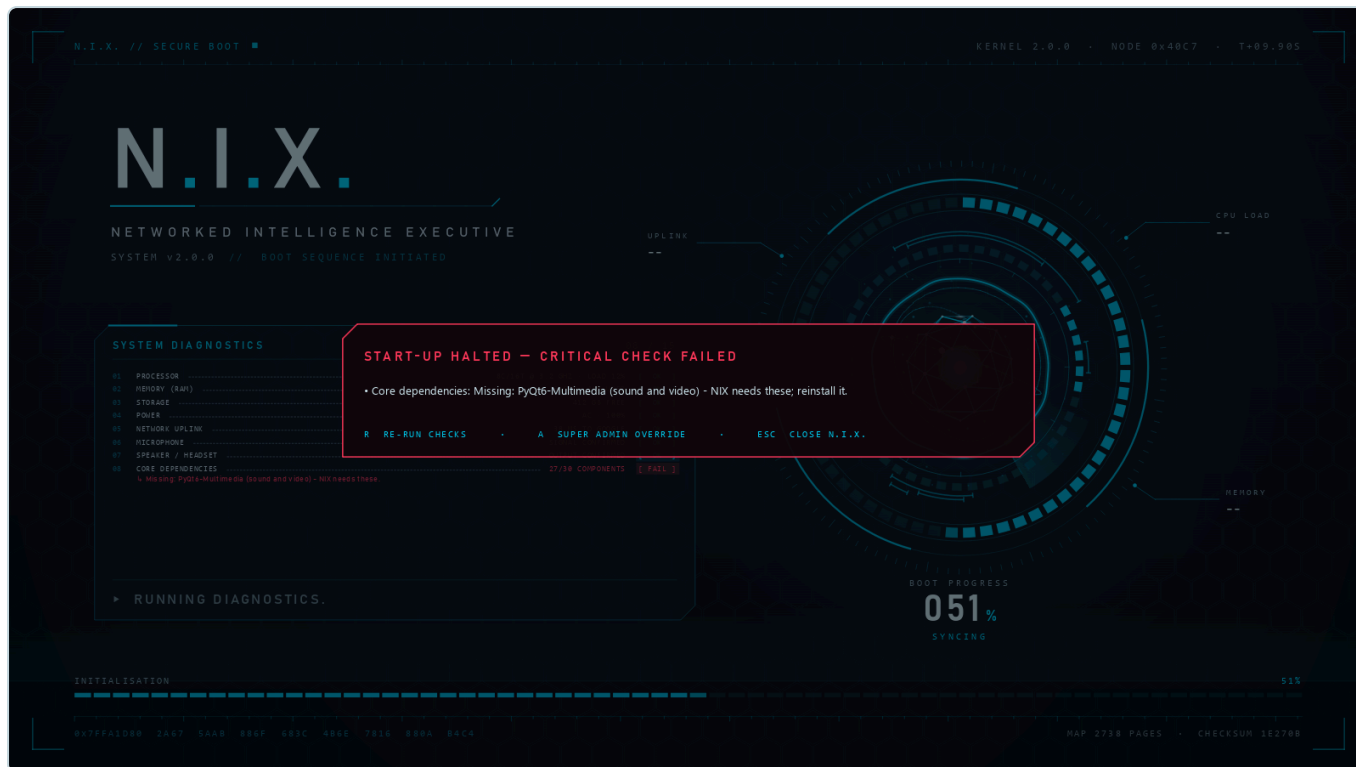


Figure: Start-up halted: a critical check failed. R re-runs the checks, Esc closes NIX.

Signing in

An activated NIX then asks who you are. Type the 6-digit code from your authenticator app (or one of your recovery codes) and click **Sign in** - NIX loads for you and stays signed in until it closes or you sign out.

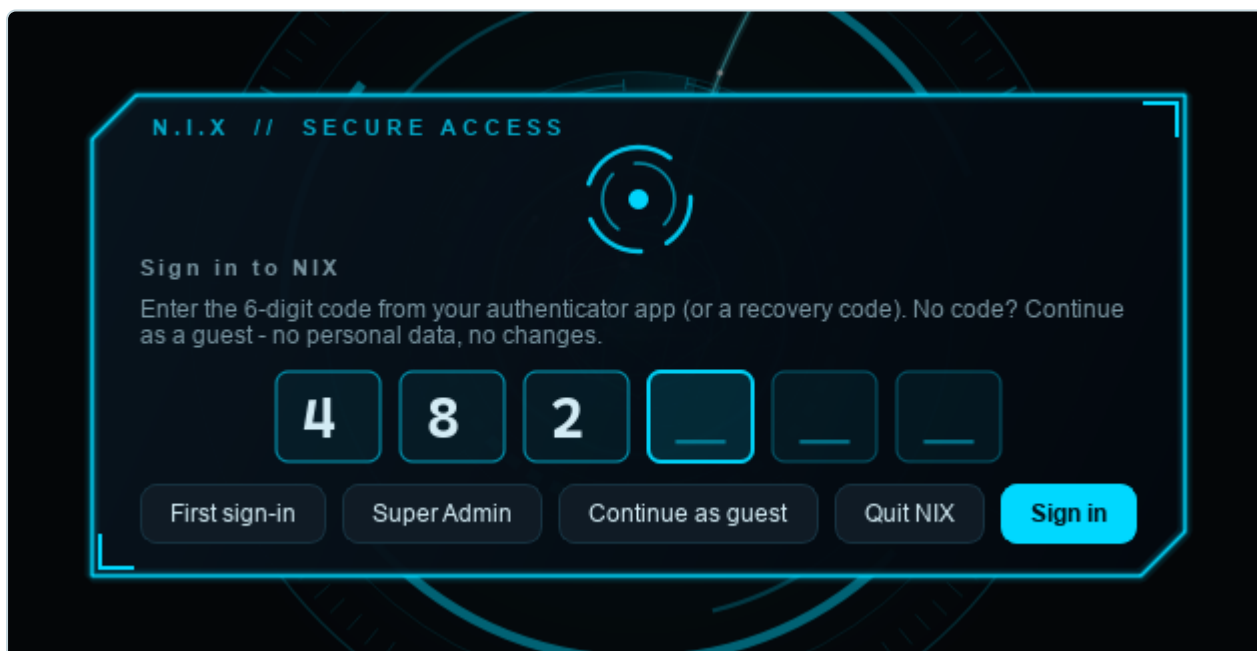


Figure: The sign-in screen: your code, First sign-in, Continue as guest or Quit NIX.

- **Continue as guest** - no code? Use NIX as a guest until it closes: general help, nothing personal, no changes. The next start asks for a code again.
- **First sign-in** - shown when an Admin has added you and you haven't set up your app yet (see Signing in).
- **Quit NIX** - closes NIX.

If nobody can sign in yet (the sign-in was skipped in Setup, or NIX was activated later), the screen offers **Create your sign-in**: type your name, scan the QR code with your authenticator app and type its code. You become this PC's Admin.



Figure: Creating the first sign-in on the sign-in screen.

The NIX screen



Figure: The main screen while NIX is listening.

Area	What it shows
The core (centre)	NIX itself. It moves with NIX's voice and changes with its state: Listening, Thinking, Speaking, Idle, Muted (red). Each background job orbits it as a small node.
Vitals (left)	Processor, graphics, temperature, network, memory, battery and NIX's uptime - live. The Climate card shows the local weather.
Clock (top right)	Time, date and connection status (ONLINE / OFFLINE).
Conversation (right)	Everything said, with times.
Terminal (bottom right)	Type to NIX instead of talking (<code>/help</code> lists commands). Buttons: MUTE, STOP (interrupt), your name (sign out or switch person) / GUEST, AUDIO, SETTINGS.
App deck (bottom)	Browser, Camera, Media, News, Weather, Chat, Vitals, Files, Phone, Remote, Audio, Connect and Settings - one click each. You can add your own shortcuts by asking NIX.
Cards (top centre)	The Approval card and the Progress card appear here when needed.

Talking to NIX

- Just speak - NIX is listening whenever the core says *Listening*.
- When NIX has gone idle, wake it with **“Hey NIX”**.
- Interrupt NIX at any time with the STOP button or `Esc` (or by talking, when you use a headset).
- Mute the microphone with MUTE; the core turns red while muted.

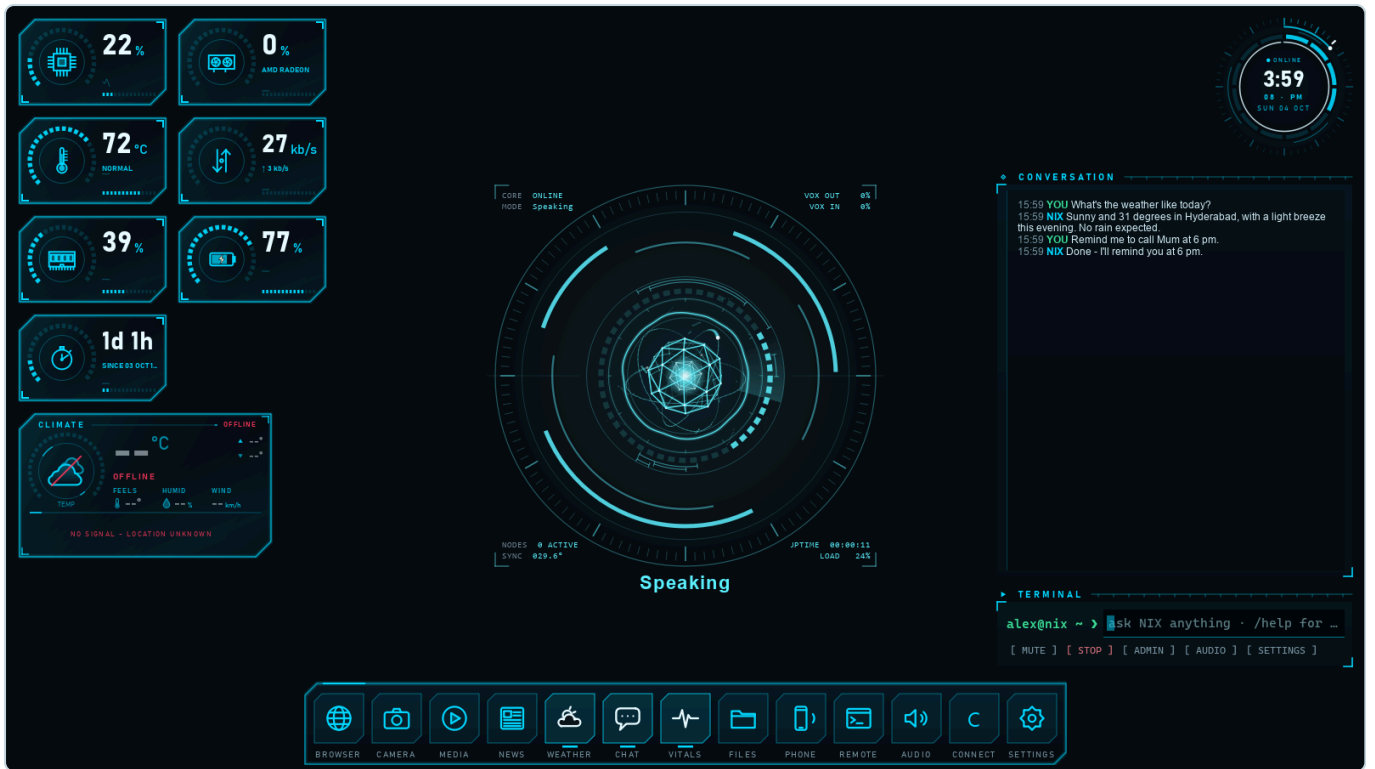


Figure: NIX speaking - the core ripples with its voice.

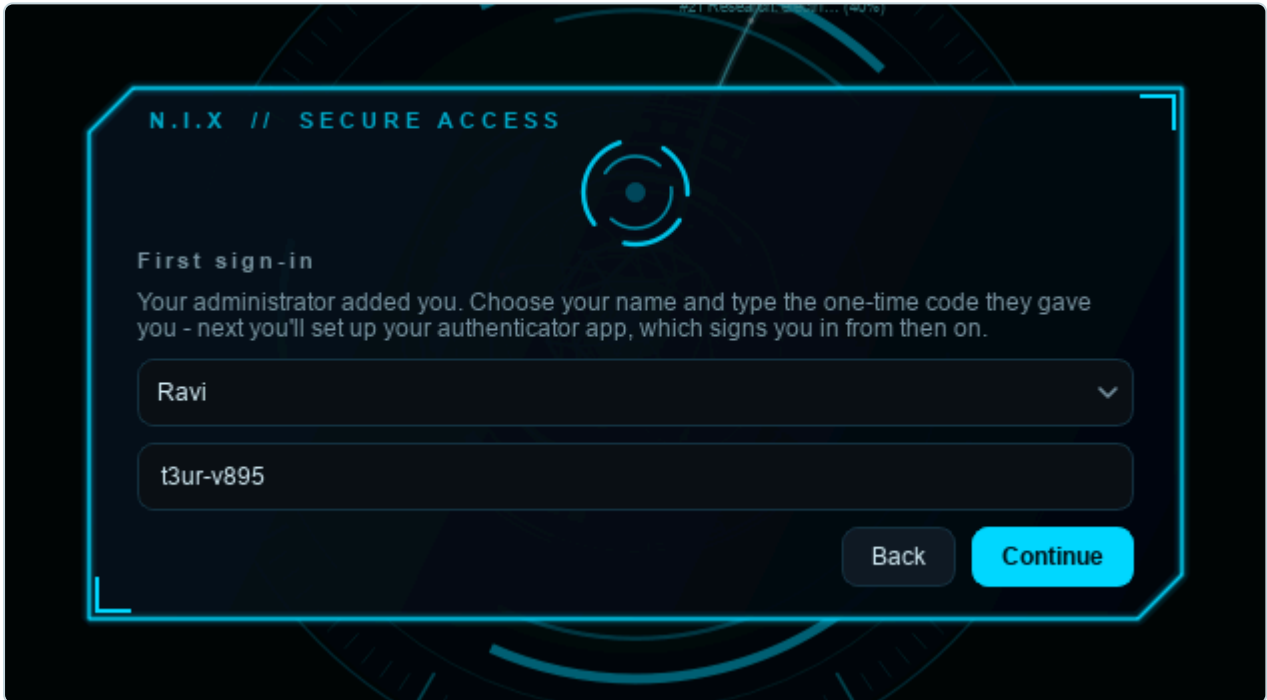
Signing in

Each person has their own sign-in with an **authenticator app** on their phone - Google Authenticator or Microsoft Authenticator (Authy and others work too). There are no passwords to remember.

Your first sign-in

An Admin creates your account and gives you a **one-time code**. Then, within 7 days:

1. When NIX opens, click **First sign-in** on the sign-in screen (or, while someone else is signed in, click their name in the terminal and choose First sign-in).
2. Choose your name, type the one-time code, and click **Continue**.
3. In your authenticator app, add an account and scan the QR code (or type the setup key shown under it).
4. Type the 6-digit code the app shows and click **Confirm**.
5. Save the **recovery codes** NIX shows - each one signs you in once if you lose your phone. They are shown only once.



N.I.X // SECURE ACCESS

First sign-in

Your administrator added you. Choose your name and type the one-time code they gave you - next you'll set up your authenticator app, which signs you in from then on.

Ravi

t3ur-v895

Back Continue

Figure: Choose your name and type the one-time code.



Figure: Scan the QR code with your authenticator app and type its code.



Figure: Recovery codes - write them down or keep them in a password manager.

Every sign-in after that

When NIX opens, type the current 6-digit code from your app and press **Sign in**. Only a code that matches your authenticator (or one of your recovery codes) signs you in; after 5 wrong codes, sign-in is locked for a while. You stay signed in until NIX closes. To hand over to someone else, click your name in the terminal and choose **Sign out** - NIX goes back to the sign-in screen.

New recovery codes, or a new phone

While you're signed in, click your name in the terminal:

- **New recovery codes** - 8 new codes; the old ones stop working. Do this when you've used most of them.
- **Move to a new phone** - scan the QR code with the authenticator app on your new phone and type its code. From then on only the new phone's codes work, and you get new recovery codes.

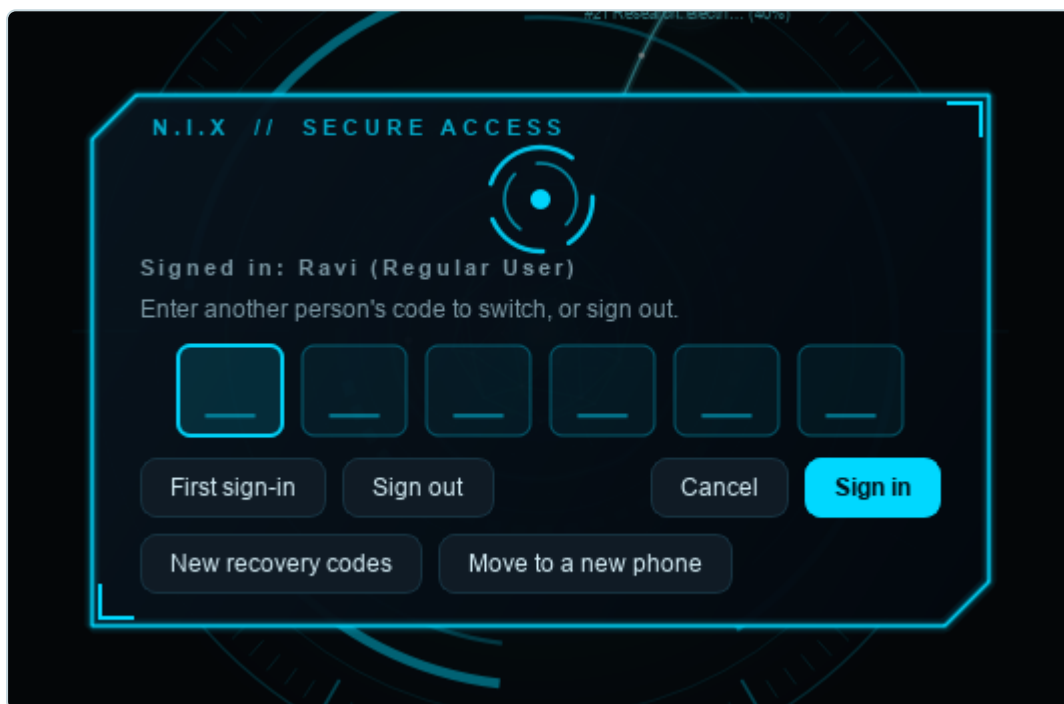


Figure: Signed in: your own recovery codes and phone.

Lost your phone? Sign in with one of your recovery codes, then choose **Move to a new phone**.

If your first sign-in has expired (7 days), ask an Admin to remove and add you again.

Approvals and progress

Anything risky - sending a message, deleting files, buying, running code - waits for your OK on the **Approval card**. Approve or deny with the buttons, or just say *"approved"*, *"go ahead"*, *"yes"* or *"no"*. Several requests stack on one card, which grows and shrinks to fit. A request nobody answers is cancelled after the confirmation timeout (90 s by default).

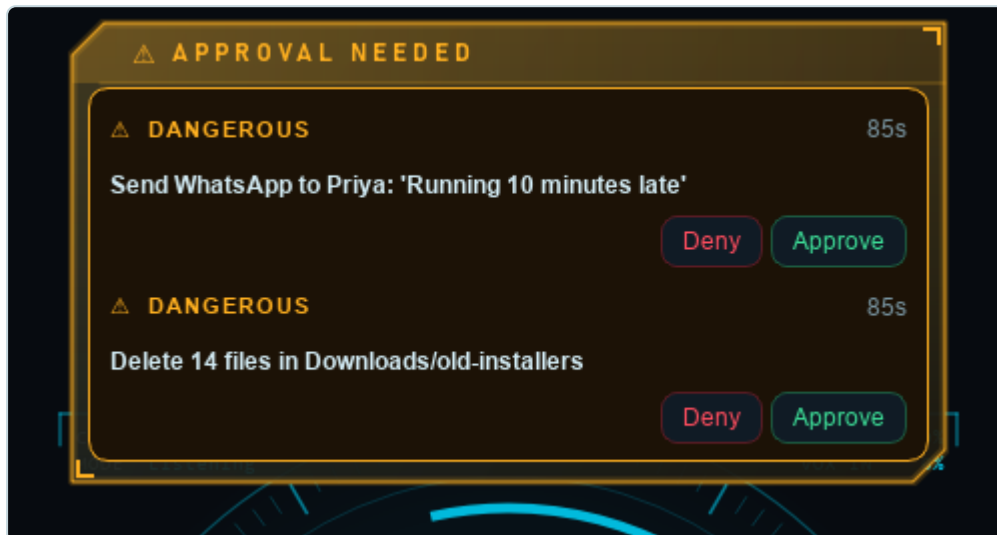


Figure: Two actions waiting for approval.

Once approved, the card turns into the **Progress card**: each job with its title, live status, a percentage bar and colour (blue working, green done, red failed). Long jobs - downloads, research, organising files - run in the background while you keep talking to NIX.

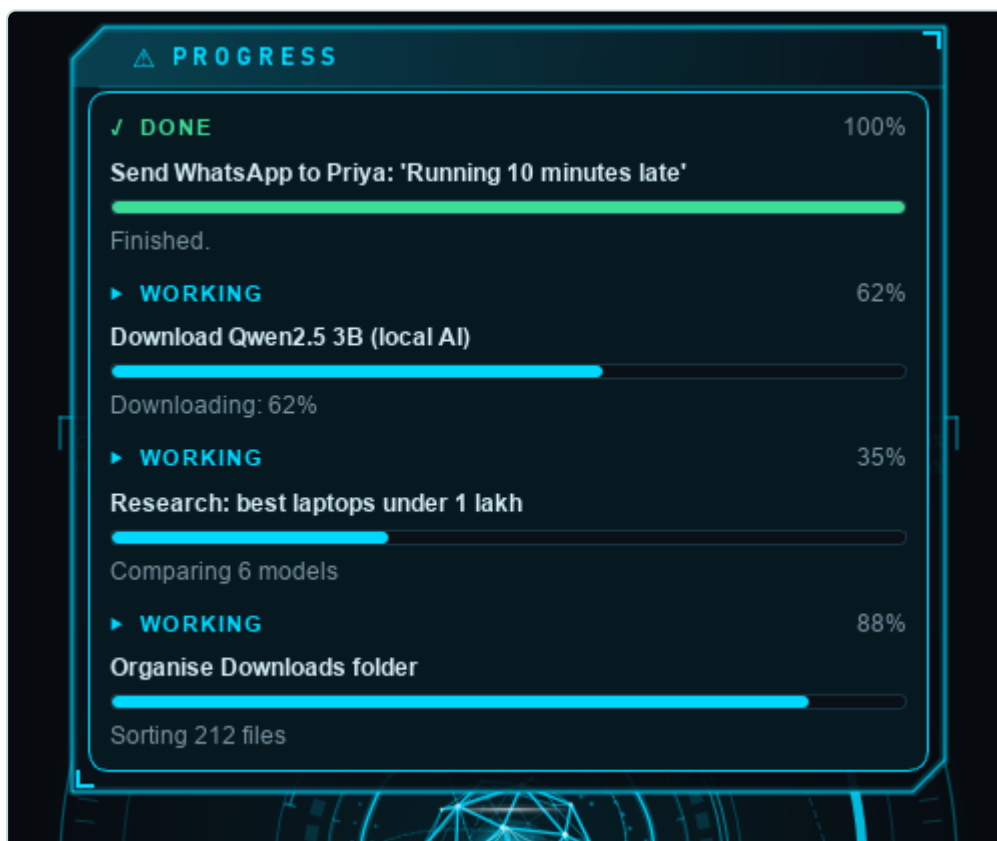


Figure: The Progress card: the approved message finished, three jobs still working in the background.

Ask *“what are you working on?”* or *“cancel the download”* at any time. You can also zoom into the core to inspect a job: scroll the mouse wheel over the core, or say *“zoom into task 21”*.

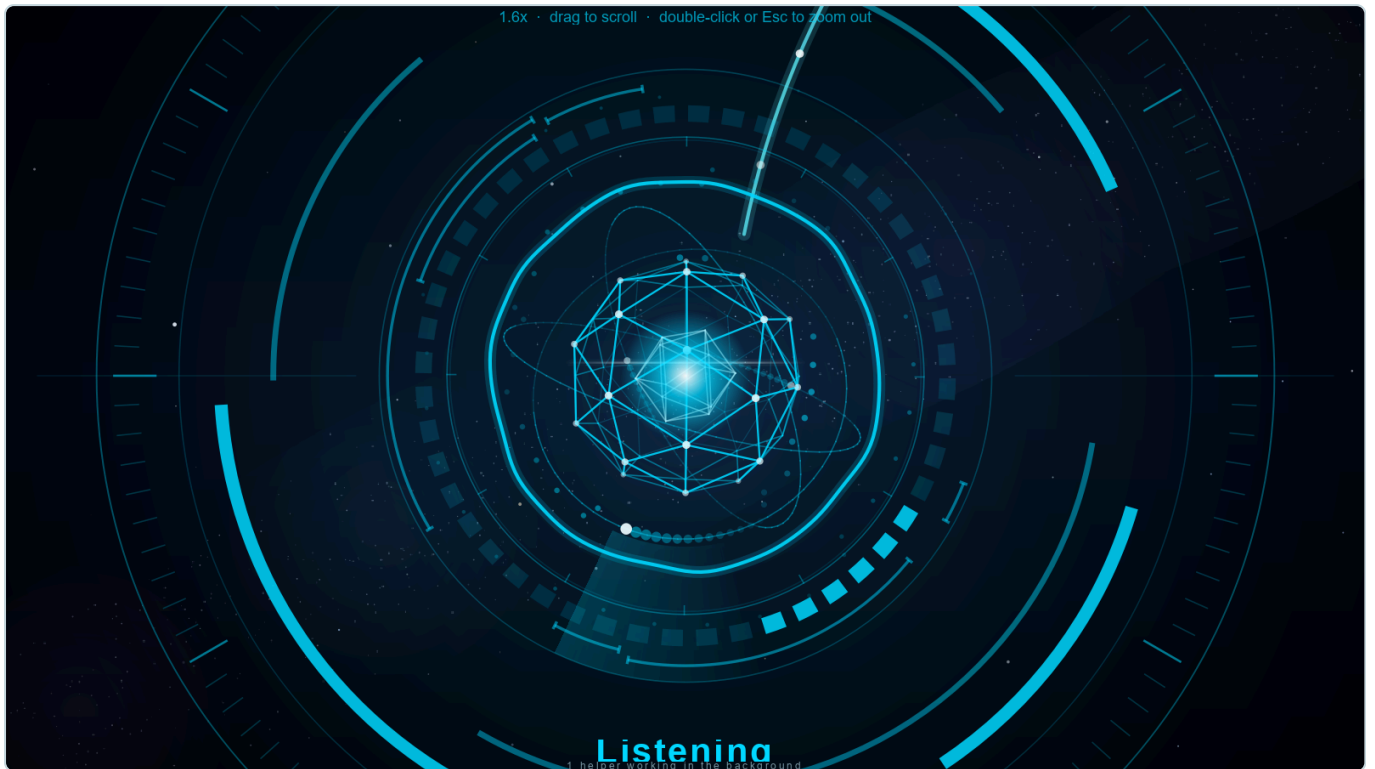


Figure: Zoomed into the core: the job's node is visible orbiting. Double-click or Esc zooms out.

What NIX can do

These are examples - say things in your own words, in your language. Actions marked as risky wait for your approval.

Everyday help

Say (or type)	What NIX does
<i>"What's the weather this weekend?"</i>	Weather now and up to 7 days ahead, for where you are or any city.
<i>"Read me the news"</i>	Today's bulletin - regional, national or international - read aloud; say "skip", "repeat" or "more details".
<i>"Remind me to call Mum at 6 pm"</i>	Reminders in plain language ("in 20 minutes", "Friday 9 am").
<i>"Search the web for the best e-bikes under 50,000"</i>	Searches, researches and compares, with sources.
<i>"Find flights from Hyderabad to Delhi next Friday"</i>	Searches Google Flights and reads the best options.
<i>"What time is it in London?"</i>	Time, date and time zones.

Music and video

Say (or type)	What NIX does
<i>"Play some lofi music"</i>	Plays inside NIX's own media deck - and keeps playing song after song until you say "stop".
<i>"Switch to the video"</i>	Swaps the audio for the video of the same song.
<i>"Next song / pause / louder"</i>	Controls playback and volume.
<i>"Play live news"</i>	A live news channel in the media deck.
<i>"Summarise this YouTube video"</i>	A written summary of a video, optionally saved to a file.

Your computer

Say (or type)	What NIX does
<i>"Open Spotify / close Chrome"</i>	Opens or closes any installed app.
<i>"Turn the brightness down / mute the volume / dark mode on"</i>	Computer settings and shortcuts.
<i>"How's my computer doing?"</i>	CPU, memory, disk, battery, network, temperatures and the busiest apps.
<i>"Organise my Downloads folder"</i>	Sorts files into folders by type or date - with undo.

<i>"Find my largest files on the D drive"</i>	Finds, moves, copies, renames and opens files and folders.
<i>"Convert this PDF to Word / compress this video"</i>	Reads and transforms documents, images, audio and video.
<i>"Crop this photo for Instagram"</i>	Edits images from a description - no Photoshop needed.
<i>"What's on my screen?"</i>	Looks at your screen (or webcam) and answers questions about it.
<i>"In Photoshop, remove the background"</i>	Works inside any app with the mouse and keyboard until the goal is done; Office, Adobe apps, GIMP and Blender can also be scripted.
<i>"Open a browser at the BBC"</i>	A web browser inside NIX; NIX can also browse and fill forms for you.

People and messages

Say (or type)	What NIX does
<i>"Any important email?"</i>	Checks, reads, summarises, replies to and files email (any provider).
<i>"What's on my calendar tomorrow?"</i>	Agenda, free time, adding and moving events (NIX, Google, Outlook, iCloud).
<i>"Send a WhatsApp to Priya saying I'm late"</i>	Prepares messages (WhatsApp, Telegram, email, Signal, Discord, SMS) - sent only after your approval.
<i>"Call Ravi"</i>	Calls and texts through your phone with the NIX Link app.
<i>"Upload the report to OneDrive"</i>	Shares one file you name - nothing leaves the PC otherwise.

Learning and work

Say (or type)	What NIX does
<i>"Teach my son English - he's 6"</i>	A patient tutor for any subject and level, including phonics and spelling games for children; progress is saved.
<i>"Write a Python script that renames my photos by date"</i>	Writes, explains, reviews, runs and fixes code.
<i>"Build me a small expense-tracker app"</i>	Plans and builds a complete small project.
<i>"Research electric scooters and write a comparison"</i>	A helper works on it in the background while you keep talking.
<i>"Connect to my server"</i>	SSH and SFTP with a terminal and file browser (like PuTTY / WinSCP).

Home

Say (or type)	What NIX does
<i>"Turn off the living-room lights"</i>	Smart-home devices through Home Assistant or Philips Hue.

"Update my Steam games tonight"

Lists, installs, updates and launches Steam and Epic games.

NIX learns you

Say (or type)	What NIX does
<i>"Remember that I prefer Celsius"</i>	Remembers your preferences and important facts - and forgets on request.
<i>"What do you know about me?"</i>	Lists everything remembered.
<i>"(asked every morning) Read me the news"</i>	After a few days NIX offers to do it automatically each day.
<i>"Learn my voice"</i>	Recognises who is speaking, to greet people by name (personalisation, not security).
<i>"Hide the vitals / make the uptime icon an hourglass"</i>	Customise the screen and the app deck.

Offline and alerts

Say (or type)	What NIX does
<i>"(no internet)"</i>	NIX keeps working with its local AI on this computer: answers, timers, apps, system tasks.
<i>"Also understand Hindi when offline"</i>	Adds a second offline language.
<i>"(automatic)"</i>	Speaks up about a meeting about to start, important new email, low battery or a nearly full disk - never during quiet hours.
<i>"Something's wrong with you / restart yourself"</i>	Checks its own logs and repairs itself; reports what it can't fix to the administrator.
<i>"Ask the admin to add a Spotify card"</i>	Passes problems and feature requests to the administrator.

Offline mode

If the internet or NIX's AI service is down, NIX switches to **offline mode** by itself and keeps helping with its local AI (it runs on this computer). It understands English plus one more language of your choice, and says when it is back online. Say *"check the connection again"* to retry at once.



Figure: Offline mode - NIX keeps working on its local AI.

Guest mode

Handing NIX to a visitor? Say “*guest mode on*”. Your conversation leaves the screen and the visitor can't reach anything personal (memory, email, calendar, contacts, files, phone) or change anything. To end guest mode, click **GUEST** in the terminal and enter the code from your own authenticator app - that also signs you in. Someone without a code can also choose **Continue as guest** on the sign-in screen. A guest can always close NIX (“close NIX”, or the tray icon → Quit NIX).



Figure: Guest mode: the visitor's own conversation only.

Privacy and safety

- Nothing leaves this computer unless you ask for that specific thing (for example “upload this file”).
- Risky actions always wait for approval; NIX never sends a message, deletes or buys anything by itself.
- Passwords and keys are kept in Windows' credential store - never in NIX's files or on screen.
- Content from the internet or email can't give NIX orders: after reading outside content, NIX asks before acting.
- Every action NIX takes is written to a tamper-evident audit log.
- Guest mode hides everything personal from visitors - see the Guest Guide.

Troubleshooting

Problem	What to do
NIX doesn't hear me	Check the core isn't red (muted) and the MUTE button. Say "which microphone are you using?" or pick one in AUDIO.
"Waiting for your OK"	An action is waiting on the Approval card - approve or deny it.
NIX says it's offline	Check the internet; say "check the connection again".
Start-up halted	Press R to re-run the checks; if it stays halted, tell your administrator what the red panel says.
Sign-in code refused	Make sure the phone's time is set automatically; use the newest code; use a recovery code if you lost the phone.
No code with me	Choose Continue as guest on the sign-in screen - general help until NIX closes.
Closing NIX	Say "close NIX", or right-click the NIX icon in the taskbar tray → Quit NIX (the window's close button keeps NIX running in the tray).
"Licence moved to another computer"	Your key was activated on another computer. Activate this one again with the key (the other computer then becomes a guest), or buy another licence.
Activation fails	Use the exact email you bought NIX with; check the key in your purchase email; you need the internet once.
Anything else	Say "something is wrong, please check yourself" - NIX diagnoses itself and passes what it can't fix to the administrator.