

NADAN FIREWALL (നാടൻ ഫയർവാൾ)

Complete Beginner-Friendly User Guide | Version 2.4.0 Enterprise Defense

100% Zero-Telemetry | Kernel Air-Gap Protection | Silent Preset Whitelist | Free & Open Source

1. Introduction: What is Nadan Firewall?

Nadan Firewall is a modern, lightweight, and trustworthy security shield for your Windows PC. Unlike complicated corporate firewalls or antivirus software filled with ads and heavy background scanners, Nadan Firewall acts as a watchful guardian at your computer's internet gateway. It gives you **100% control** over which applications can communicate with the outside world.

> 🛡️ **Why Nadan Firewall?**
>
> - **Zero Spyware & Zero Telemetry:** It never transmits any of your personal data, web activity, or analytics anywhere. Everything stays 100% on your local computer.
> - **Ultra-Lightweight:** Consumes practically zero CPU (<0.1%) and minimal RAM (~35 MB), keeping your computer fast and responsive.
> - **Anti-Tamper & Anti-Kill:** Sneaky background malwares or trojans cannot easily kill or close Nadan Firewall from Task Manager or background scripts.

2. The 5 Security Modes (Explained in Plain English)

Nadan Firewall offers 5 simple modes so anyone from a student to an everyday computer user can stay secure without annoying technical questions.

Mode	What it Does	When Should You Use It?
Preset Mode **Silent Whitelist**	**The Recommended Daily Mode!** Only the apps explicitly added to your rules (e.g. Chrome, WhatsApp, Office) are allowed to connect. Windows essential updates work smoothly. *All other unknown apps and background spyware are silently blocked without annoying popups.*	**Best for daily work, home use, and students.** Enjoy complete peace of mind with zero popup distractions.
Windows Mode **OS Essentials**	Allows core Windows OS services (DNS, DHCP, Windows Updates, time sync, and developer IDEs) while blocking all third-party software.	When performing Windows system maintenance, running system updates, or writing code in developer environments.
Strict Mode **Interactive Zero-Trust**	Whenever any application tries to connect to the internet, Nadan Firewall immediately asks you: "*Do you want to allow this app?*" with **Allow** or **Deny** buttons.	When testing new downloaded software or checking if an unknown program is trying to contact internet servers.

Mode	What it Does	When Should You Use It?
Sandbox Mode **Air-Gap Killswitch**	**Cuts off all incoming and outgoing internet traffic completely!** Acts as a physical cable pull in software. Not a single packet can enter or leave.	**Emergency situation:** If you suspect a virus, malware, or ransomware on your PC, immediately engage Sandbox Mode to prevent data theft.
Allow All **Pass-Through**	Allows all network traffic without restrictions, just like a standard factory Windows PC without firewall rules.	When diagnosing home network issues or using trusted private networks.

3. Switching Modes Faster: Desktop HUD Widget & System Tray

You never need to search through menus to change modes. Nadan Firewall gives you two ultra-fast shortcuts:

A. Floating Desktop HUD Widget

A sleek, compact dark toolbar that floats gracefully at the top of your desktop screen.

- **Instant Switching:** Click **Pass**, **Win**, **Preset**, **Strict**, or **Kill** with one click.
- **Movable:** Click and drag anywhere on the toolbar (or on the `::` handle) to place it anywhere on your screen. It remembers your preferred position!
- **Open Dashboard:** Click the Warrior logo or `[ ]` icon to open the main window.

B. Taskbar Notification Tray (Bottom-Right)

Nadan Firewall lives quietly in your Windows taskbar system tray (near the clock).

- **Right-Click Menu:** Right-click the shield icon to change modes instantly or exit.
- **Protected Actions:** If you configured a PIN, changing modes or exiting from the tray asks for your 6-digit PIN to prevent unauthorized tampering.
- **Single/Double Click:** Restores the main dashboard window immediately.

4. How to Manage Program Rules (Allowing Your Favorite Apps)

In **Preset Mode**, you choose which programs are permitted to use the internet. Adding your daily tools takes just a few seconds:

1. Open Nadan Firewall and click on **Program Control -> Active Rules** on the left sidebar.
2. Click the dark blue **"+ Add Program Rule..."** button at the bottom.
3. Select the application executable file (e.g. `chrome.exe` or `WhatsApp.exe`).
4. In the dialog, choose:
   - **Target Mode:** `Preset Mode (Silent Whitelist)` (or `All Modes`).
   - **Permission:** `Allow Access`.
5. Click **Save Rule**. That application can now connect freely!

> 💡 **Tip:** You can also view all scanned programs on your PC under **Program Control -> Programs** and tick or untick checkboxes to permit them.

5. URL & Website Keyword Blocker (Keep Your Family Safe)

Nadan Firewall includes a built-in website blocker that redirects unwanted or dangerous websites to local address `127.0.0.1` via the Windows HOSTS file.

- **Block by Domain:** Type a website domain like `gambling.com` or `malicious-site.net` and click **Add Domain**.
- **Block by Keyword:** Type a word like `casino` or `torrent`. Any website containing that keyword will be completely blocked in all browsers!
- **Instant Activation:** Click **Apply All Blocks**. Nadan Firewall instantly flushes the DNS cache so changes take effect immediately without restarting your PC.

6. Mandatory 6-Digit Master PIN Protection

To ensure children, colleagues, or malicious software cannot secretly disable your protection or tamper with rules:

- Go to **Settings -> App Password Lock** and click **Set / Change 6-Digit PIN**.
- Enter your personal 6-digit numeric PIN (e.g. `954128`) and confirm it.
- **Free Menu Browsing:** You can freely click and browse all menus and logs without any password prompts.
- **Protected Operations:** Your 6-digit PIN is strictly required when someone tries to: *Switch firewall modes*, *Add or delete program rules*, *Modify URL blocks*, *Exit from taskbar*, or *Uninstall Nadan Firewall*.

> 🔒 **Uninstallation Protection:** When PIN protection is enabled, even if someone attempts to uninstall Nadan Firewall from Windows Settings or Control Panel, the uninstaller will refuse to proceed until the correct 6-digit master PIN is entered!

7. Frequently Asked Questions (FAQ)

Q: Will Nadan Firewall slow down my internet or gaming?
A: Not at all! Nadan Firewall communicates directly with the Windows kernel Filtering Platform (WFP). It does not proxy or inspect packet payloads, ensuring 100% full gigabit network speeds with zero gaming latency.

Q: An app I need says "No Internet". What should I do?
A: Open Nadan Firewall, go to **Program Control -> Active Rules**, click **+ Add Program Rule...**, select the app's `.exe` file, and choose **Allow Access**.

Q: How do I completely close Nadan Firewall?
A: Right-click the Nadan Firewall shield icon in the Windows taskbar system tray (near the clock) and select **Exit**. Enter your 6-digit PIN when prompted.
