



STONE GUEST

Installation Guide

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The Stone Guest and its communication component (Zulip) have been reviewed and approved as ethically compliant by the Ethics Committee of Yıldız Technical University (Decision No. 2026/03, dated March 2, 2026).

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Overview

Stone Guest is a Python-based user activity data logging tool. It records keyboard and mouse events, active window changes, clipboard activity, and idle periods to a structured CSV log, enabling fine-grained analysis of translation processes.

Requirements

- Python 3.8 or later
- Windows 10/11 or macOS 11 (Big Sur) or later
- Accessibility permissions (macOS only, see below)
- Internet connection for the first install (dependency download)

Installation for macOS

Step-by-step

1. Place all files: `stone_guest.py`, `install_mac.command`, and `Run Stone Guest.command`, in the same folder.
2. Double-click `install_mac.command`, or open Terminal and run:

```
bash install_mac.command
```
3. The installer will automatically detect or install Python 3.8+, create a virtual environment (`.venv`), and install all dependencies.
4. Grant Accessibility permission when prompted (required for keystroke capture).

if macOS says the file "**cannot be opened**" or "**is not from a trusted developer**" (even right-click > Open is blocked), try one of these two options:

Option A - Terminal:

1. Open Terminal (Applications > Utilities > Terminal)
2. Type: `bash` (include the space after `bash`)
3. Drag `install_mac.command` into the Terminal window
4. Press Enter.

Option B – System Settings:

1. Try to double-click `install_mac.command` (it will fail – this step is needed to register the file with macOS).
2. Open System Settings > Privacy & Security.
3. Scroll down until you see a message about "`install_mac.command` was blocked".
4. Click "Open Anyway" and enter your password if prompted.

If you see "could not be executed" error:

1. Open Terminal (Applications > Utilities > Terminal)
2. Type: `chmod +x` (include the space after `+x`)
3. Drag `install_mac.command` into the Terminal window
4. Press Enter, then double-click the file again.

Accessibility Permission

Without this permission, keystrokes will NOT be captured on macOS.

- macOS 12+: System Settings → Privacy & Security → Accessibility
- macOS 11: System Preferences → Security & Privacy → Accessibility

Click the lock icon, enter your password, then click + and add Terminal (or your terminal application of choice). Make sure the toggle is ON.

Installation for Windows

Step-by-step

1. Place all files: stone_guest.py, install_windows.bat, and Run Stone Guest.bat, in the same folder.
2. Double-click install_windows.bat.
3. The installer will detect or install Python 3.8+ via winget, create a virtual environment, and install pynput.

If Python is not found and winget fails, visit <https://www.python.org/downloads/windows/> and make sure to check 'Add Python to PATH' during installation. Then re-run the installer.

On Windows, if SmartScreen warns "Windows protected your PC", click "More info" and then "Run anyway". This is expected for unsigned scripts.

Running a Session

Starting

- macOS: Double-click Run Stone Guest.command
- Windows: Double-click Run Stone Guest.bat

Keyboard Shortcuts

Keys	Action
Ctrl + Alt + P Ctrl + Opt + P	Pause / Resume the session
Ctrl + Alt + X Ctrl + Opt + X	Stop the session and save the log

Troubleshooting

- Keystrokes not captured (macOS): Check Accessibility permissions, see above.
- 'file is from an unidentified developer' (macOS): The installer removes quarantine flags automatically. If it reappears, run the below from the Terminal:

```
xattr -c stone_guest.py "Run Stone Guest.command"
```
- Python not found after install (Windows): Close and reopen the installer; PATH changes require a new shell session.
- Dependency install fails: Check your internet connection and re-run the installer.