

ZetaPost Installation Instructions

ZetaPost is written in Java. The ZetaPost installer files include everything required to run the application, including the Java runtime environment. No separate Java installation should be needed.

Windows

Zeta Post is provided as an unsigned **.exe** jpackage installer file with a bundled jlink runtime. Before installing the program, it is recommended to suspend virus check programs.

Execute the installer file to install ZetaPost. Windows may display a warning such as:

- "Windows protected your PC"
- "Microsoft Defender SmartScreen prevented an unrecognized app from starting"

If so:

- Click More Info.
- Verify that the publisher says "Unknown publisher" (which is normal for an unsigned app).
- Click Run Anyway.

macOS

ZetaPost is provided as an unsigned **.dmg** jpackage installer file with a bundled jlink runtime. Before installing the program, it is recommended to suspend virus check programs.

To install from an unsigned **.dmg**, do the following:

- Double-click the **.dmg**.
- Drag the "ZP" application into **Applications**.

To execute the program:

- Open Applications in Finder.
- Control-click (or right-click) the application.
- Choose **Open**.
- macOS will warn that the app is from an unidentified developer.
- Click **Open** to confirm.

If that doesn't work:

- Go to System Settings → Privacy & Security.
- Scroll down to the **Security** section.
- You should see a message that the app was blocked.
- Click Open Anyway.
- Confirm again.

After you've approved it once, you generally won't have to repeat these steps.

Linux (Debian/Ubuntu/Mint/Pop!_OS)

ZetaPost is provided as an unsigned **.deb** jpackage installer file with a bundled jlink runtime. No separate Java installation is required. Linux does not block unsigned applications the way macOS does, and no special approval steps are needed.

Installing the .deb package

Option 1 — Terminal installation (recommended)

- Open a terminal in the directory containing the .deb file and run:

```
sudo dpkg -i ZetaPost_1.3-1_amd64.deb
```
- Enter your password if prompted.
- If the installer reports missing dependencies (unlikely but possible), fix them with:

```
sudo apt --fix-broken install
```

Option 2 — Graphical installation

- Double-click the **.deb** file.

- Your system's package installer will open.
- Click **Install**.
- Enter your password when prompted.

Running ZetaPost

After installation, ZetaPost will appear in your system's application menu.

Option 1 — From the desktop environment

- Open your application menu.
- Search for **ZetaPost**.
- Click to launch.

Option 2 — From the terminal

`ZetaPost`

Serial-Port Access on Linux (Important)

To communicate with USB serial devices (such as altimeters or data loggers), your Linux user account must have permission to access serial ports. On Debian-based systems, serial devices such as `/dev/ttyUSB0` or `/dev/ttyACM0` are owned by the **dialout** group.

If your user is not in this group, ZetaPost will not be able to open serial ports.

Checking whether your user is in the dialout group:

- Run:


```
groups
```
- If you see **dialout** listed, no further action is needed.

Adding your user to the dialout group:

- If dialout is not listed, add yourself with:


```
sudo usermod -a -G dialout $USER
```
- After running this command, **log out and log back in** to apply the new group membership.

Verifying access

- You can confirm that serial devices are visible with:

```
ls -l /dev/ttyUSB* /dev/ttyACM* 2>/dev/null
```

- Devices should show group ownership as dialout.

Uninstalling ZetaPost

To remove the application:

```
sudo dpkg -r zetapost
```

The package name is lowercase.