

# UART Log Viewer — Installation Guide

This guide explains how to install **UART Log Viewer** on Ubuntu, macOS, and Windows. No Qt or Python is required for end users.

## Build From Source (All Platforms)

Use this only if you want to build the installers yourself.

### 1) Clone the repo

```
git clone https://github.com/jay28panchal/uart-log-viewer.git
cd uart-log-viewer
```

### 2) Build installers

Choose your platform below.

## Ubuntu 20.04+ (Minimum)

### Install

1. Download the `.deb` file (example: `uart-log-viewer_1.0.2_amd64.deb`).
2. Double-click the `.deb` file to open Ubuntu Software.
3. Click **Install**.

### Alternative (Terminal)

```
sudo apt-get install ./uart-log-viewer_1.0.2_amd64.deb
```

### Download From GitHub (Terminal)

Replace `<version>` with the release tag (example: `v1.0.2`).

```
curl -L -o uart-log-viewer_1.0.2_amd64.deb \
  https://github.com/jay28panchal/uart-log-viewer/releases/download/<version>/uart-log-viewer_1.0.2_amd64.deb
sudo apt-get install ./uart-log-viewer_1.0.2_amd64.deb
```

### Launch

Open the application menu and run **UART Log Viewer**.

### If You See “Qt\_6.5 not found”

You installed a package built against a newer Qt than your system provides. Download the latest `.deb` from **GitHub Releases** and reinstall it; it is built against the system Qt version. If you still see the error, install the Qt 6 runtime packages:

```
sudo apt-get install -y libqt6core6 libqt6gui6 libqt6widgets6 libqt6serialport6
```

## Upgrading From Older Versions

If you already have an older version installed, installing the new `.deb` will **upgrade** it automatically. If you used the older Python/Tkinter package (`uart-tabs`), the new package will replace it.

## Build Installer (From Source)

From the repo folder:

```
./scripts/build-qt-linux.sh
```

Then install the generated `.deb` from `dist/`.

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## macOS 12+ (Minimum)

### Install

1. Download `UART-Log-Viewer.dmg`.
2. Double-click the `.dmg`.
3. Drag **UART Log Viewer** into **Applications**.

### Download From GitHub (Terminal)

Replace `<version>` with the release tag (example: `v1.0.2`).

```
curl -L -o UART-Log-Viewer.dmg \
  https://github.com/jay28panchal/uart-log-viewer/releases/download/<version>/UART-Log-Viewer.dmg
open UART-Log-Viewer.dmg
```

### Launch

Open **Applications** and run **UART Log Viewer**.

## Build Installer (From Source)

From the repo folder:

```
./scripts/build-qt-mac.sh
```

Then open `dist/UART-Log-Viewer.dmg` and drag the app into **Applications**.

### Notes

- If macOS blocks the app:
1. Go to **System Settings -> Privacy & Security**.
  2. Click **Open Anyway** for UART Log Viewer.
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## Windows 10+ (Minimum)

### Install

1. Download `UART-Log-Viewer-Setup.exe`.
2. Double-click the installer and follow the wizard.

### Download From GitHub (PowerShell)

Replace `<version>` with the release tag (example: `v1.0.2`).

```
Invoke-WebRequest -Uri "https://github.com/jay28panchal/uart-log-viewer/releases/download/<version>/UART-Log-Viewer-Setup.exe" -OutFile .\UART-Log-Viewer-Setup.exe  
Start-Process .\UART-Log-Viewer-Setup.exe
```

### Launch

Use Start Menu or Desktop shortcut (if chosen during install).

### Build Installer (From Source)

From the repo folder (PowerShell):

```
./scripts/build-qt-win.ps1
```

Then open `dist\UART-Log-Viewer-Setup.exe` and follow the wizard.

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## USB Driver Notes (All Platforms)

If no serial ports appear, you may need a USB-serial driver: - CP210x (Silicon Labs) - CH340 (WCH) - FTDI

Install the correct driver for your device, then replug the USB cable.