

Upload .hex Files to Arduino Nano using xLoader on Chrome OS:

Follow the instructions below to install xLoader on your Chromebook

Setup:

- Click on the clock at the bottom right corner of your screen
- Click on the **gear** at the top right of the pane that opens
- On the left side of the settings menu, click on **Linux (Beta)**
- Click **Turn on**
- Click **Next** and then **Install**
- Wait for Linux to install, the terminal will open
- Go to <https://github.com/binaryupdates/xLoader> and click the green button that says **Code**
- Download the ZIP
- In the file manager of your Chromebook copy the xLoader-master.zip file to **Linux files**
- In the terminal on a new line type **unzip xLoader-master.zip**

Installing Wine:

- In the terminal paste the flowing lines using right click or CTRL+SHIFT+V (make sure to let each command finish before pasting in the next one). When prompted type "y" to install Wine and Nemo.
 - o `sudo dpkg --add-architecture i386`
 - o `wget -nc https://dl.winehq.org/wine-builds/winehq.key`
 - o `sudo apt-key add winehq.key`
 - o `echo "deb https://dl.winehq.org/wine-builds/debian/ buster main" | sudo tee etc/apt/sources.list.d/wine.list`
 - o `echo "deb https://download.opensuse.org/repositories/Emulators:/Wine:/Debian/Debian_10 ./" | sudo tee /etc/apt/sources.list.d/winehq.list`
 - o `sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys DFA175A75104960E`
 - o `sudo apt update`
 - o `sudo apt install --install-recommends winehq-stable`
 - o `winecfg`
 - Click **Install** in the Wine window to install Mono
 - Click **Install** in the Wine window to install Gecko
 - Close Wine
 - o `sudo apt install nemo`

Running xLoader:

- Plug your Arduino Nano into your computer
- In the terminal type **cd xLoader-master**
- In the terminal type **wine xLoader.exe**
- In the xLoader window click the three dots and navigate to your .hex file saved on your computer
- Change the Device to **Uno(ATmega328)**
- Select a COM port
- Click upload

Your .hex file is now uploaded