# MXCHIP Install Guide

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# Step 1. Install Mxos cube

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1. Install Python2.7.13 & Git
--Python Software: https://www.python.org/downloads/release/python-2713/
--Git: https://git-scm.com/

2. Configure python and git to your system path
--Python27: https://superuser.com/questions/143119/how-do-i-add-python-to-the-windows-path
Python Pip: same as above, add path(example): C:\Python27\Scripts
Git: https://stackoverflow.com/questions/26620312/installing-git-in-path-with-github-client-for-windows

3. Install mxos-cube
--Use command: *pip install mxos-cube* in cmd.exe

# Step 2. Global Configure Micoder

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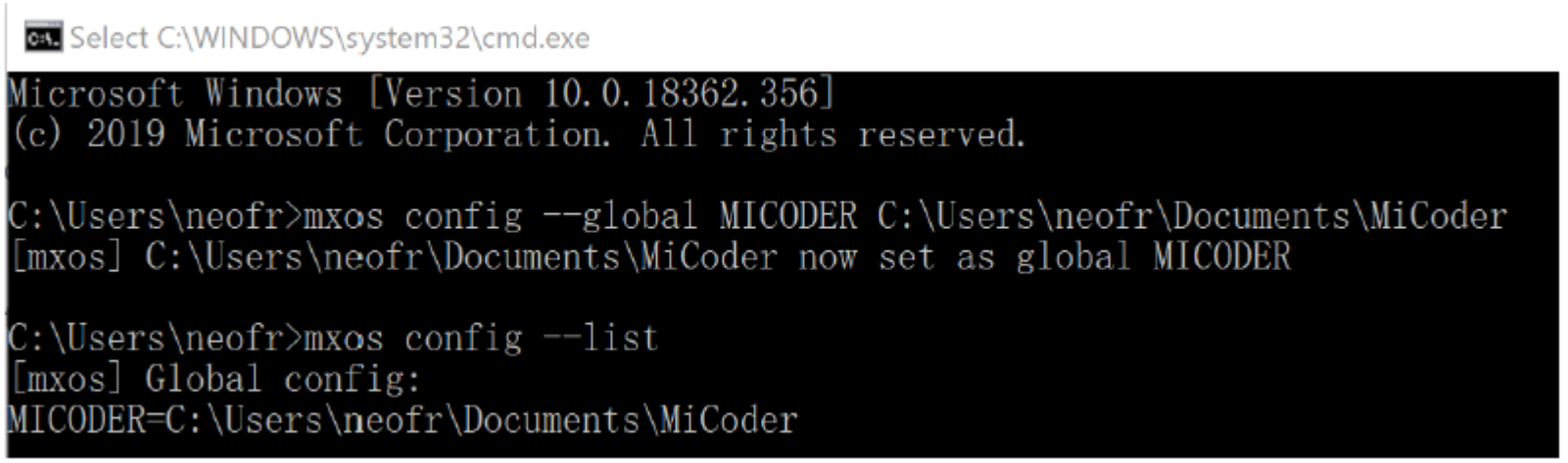
1. Copy Micoder file to your defined path
--Software: http://firmware.mxchip.com/MiCoder_v1.4_Win32.7z


2. Configure Micoder
--You can set the MiCoderTools location via the cmd.exe:
*$ mxos config --global MICODER C:\Users\neofr\Documents\MiCoder*
*[mxos] C:\Users\neofr\Documents\MiCoder now set as global MICODER*
The -G or --global switch tells mxosCube to set this as a global setting, rather than local for the current program.



# Step 3. Install Visual Studio Code

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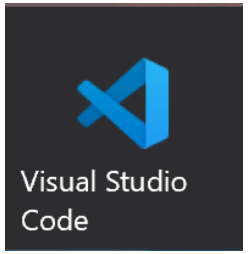
Download and Install Visual Studio Code
--Software: https://code.visualstudio.com/



# Step 4. Install Driver

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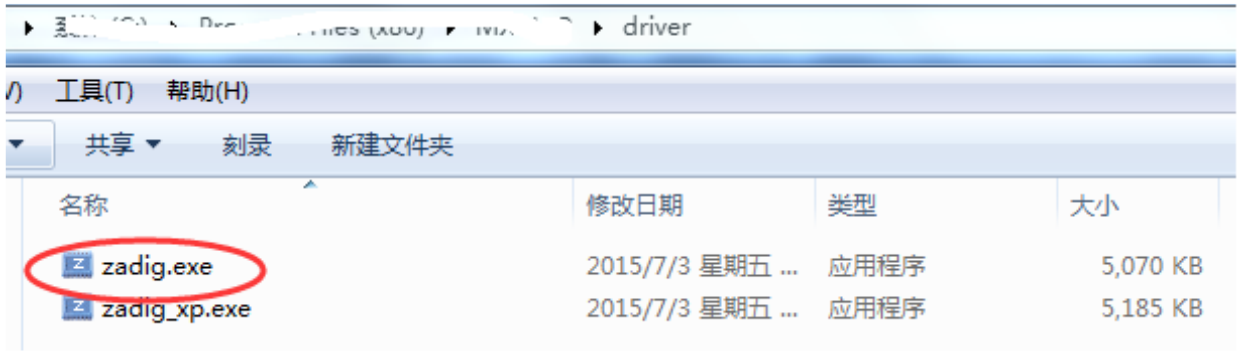
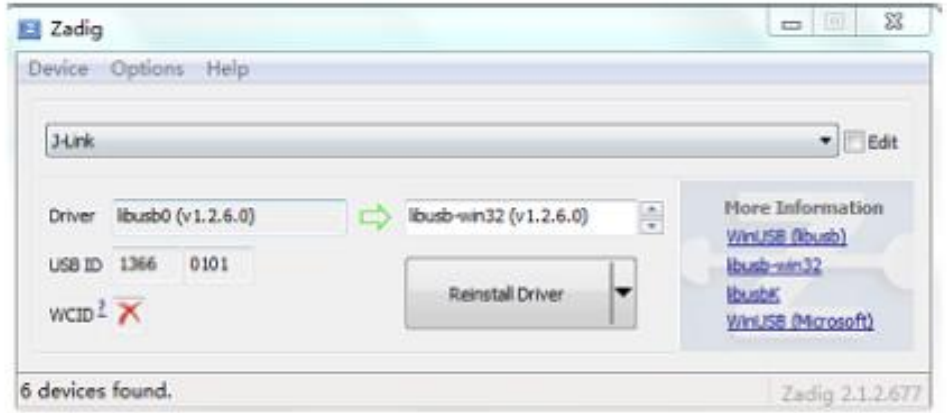
1. Install Driver
--Software:\MXCHIP Install for Windows\Driver Install

jlink_driver_for_
mico

2. “CP210x_Universal_Windows_Driver” is for UART driver, “Setup_JLink_V600i.exe” is for Jlinkdriver, “jlink_driver_for_mico”  is for MX1290 series when download by Jlink
Run: zadig.exe or zadig_xp.exe (for Windows XP) in “jlink_driver_for_mico”

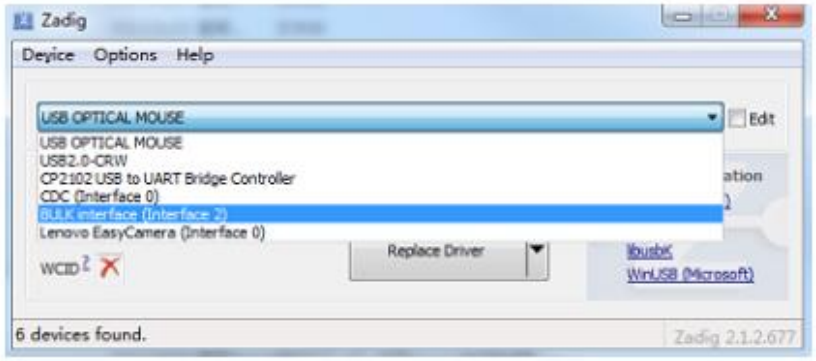


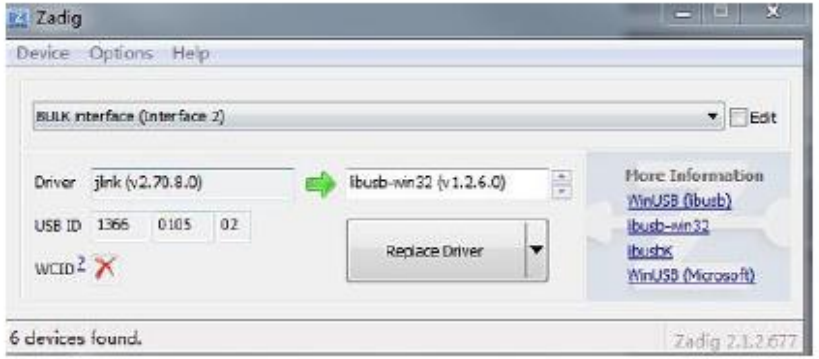
3. Select the menu: Options->List All Devices, select J-Link from the drop-down list, select “libusb-win32(v1.2.6.0)” for the driver, click “Replace Driver”, and return to “successful” to close. “libusb-win32 devices will appear in the device manager.
If you are using JLinkV8, the update process is as follows:



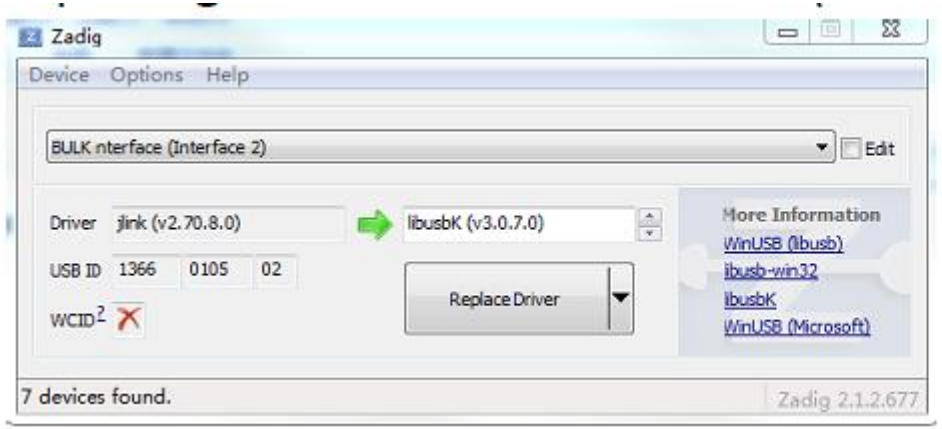


If you are using JLinkV9, the update process is as follows:




Due to different JLinkfirmware versions from different manufacturers, some JLinkdrivers may not work properly after replacing them with libusb-win32 (v1.2.6.0). In this case, try using "libusbK(v3.0.7.0)".




# Step 5. Download SDK

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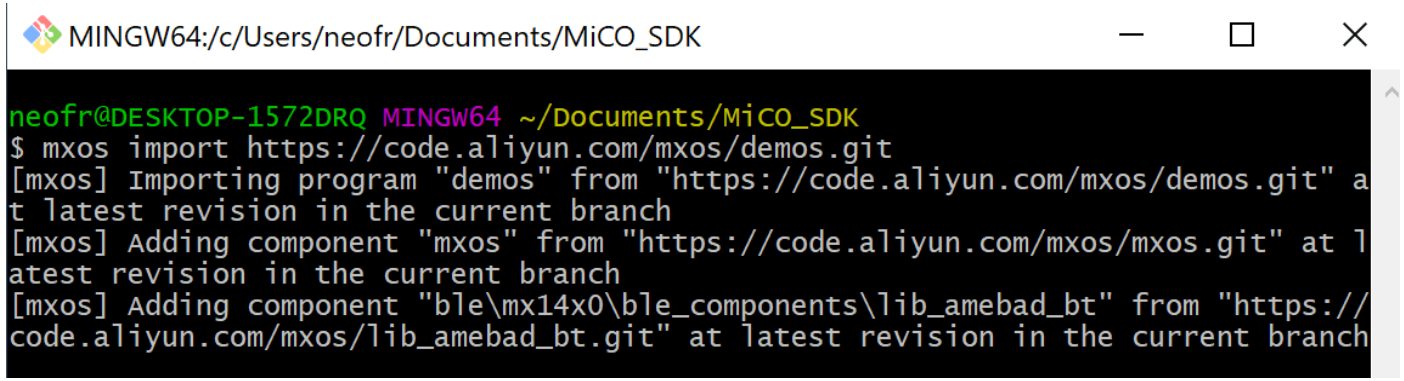
1. SDK
--Https:https://code.aliyun.com/mxos/demos.git
2. Use Git Bash to download SDK with command: *mxosimport https://code.aliyun.com/mxos/demos.git*



# Step 6. Use SDK with VS Code

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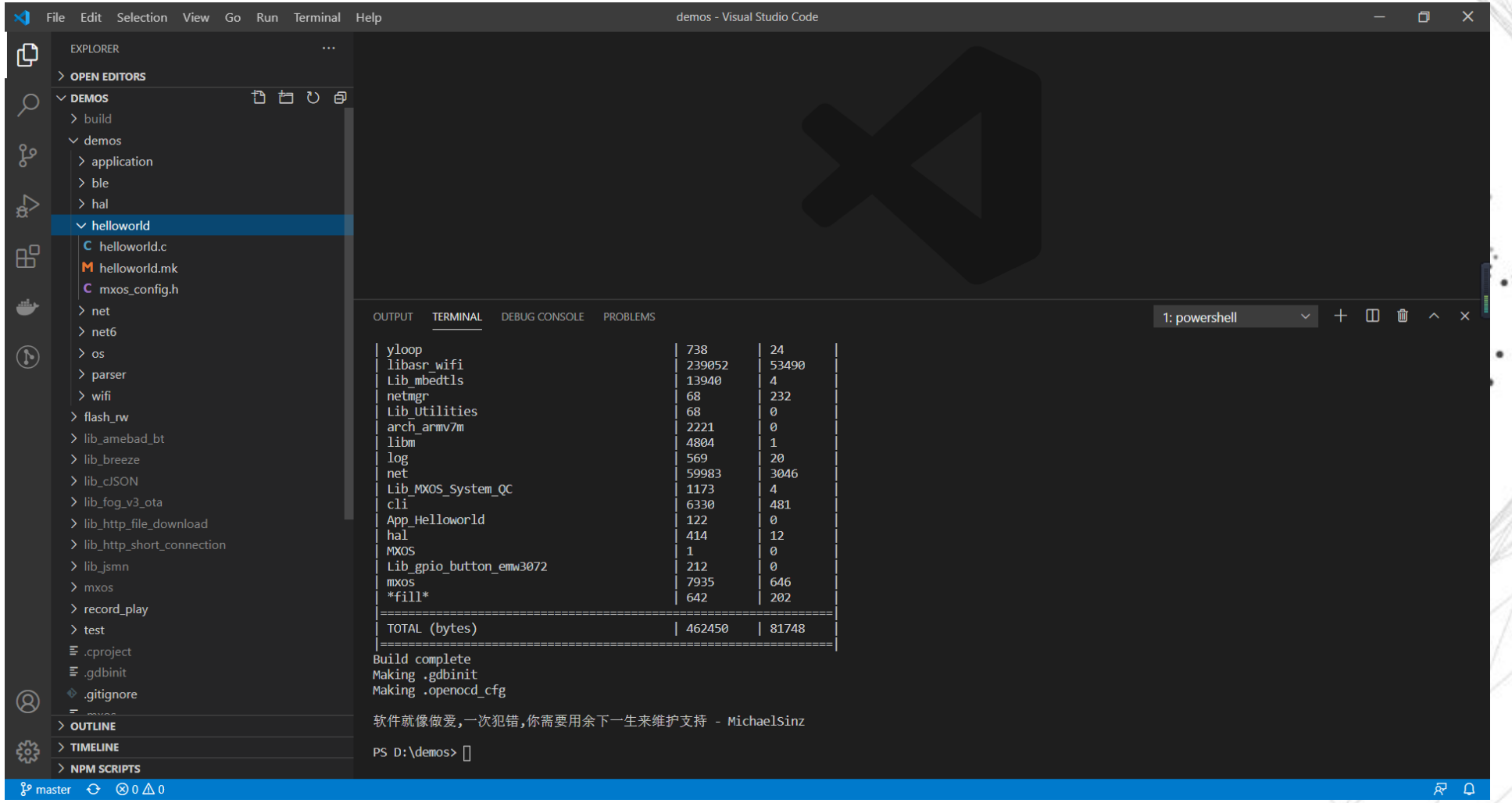
1. Open demos folder in VS code
2. Compile with command in TERMINAL: *mxos make helloworld@emw3080 TLS=mbedtls*
*mxos make helloworld@emw3072 TLS=mbedtls*



# THANKS