

MXCHIP Install Guide

MXCHIP®
上海庆科信息技术有限公司


Connection | Solution | SaaS

► Step 1. Install Mxos cube

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

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
```

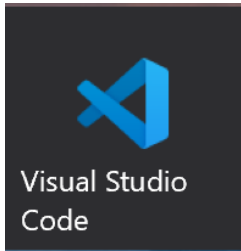
The -G or --global switch tells mxosCube to set this as a global setting, rather than local for the current program.

Select C:\WINDOWS\system32\cmd.exe

```
Microsoft Windows [Version 10.0.18362.356]  
(c) 2019 Microsoft Corporation. All rights reserved.  
  
C:\Users\neofr>mxos config --global MICODER C:\Users\neofr\Documents\MiCoder  
[mxos] C:\Users\neofr\Documents\MiCoder now set as global MICODER  
  
C:\Users\neofr>mxos config --list  
[mxos] Global config:  
MICODER=C:\Users\neofr\Documents\MiCoder
```

► Step 3. Install Visual Studio Code

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



► Step 4. Install Driver

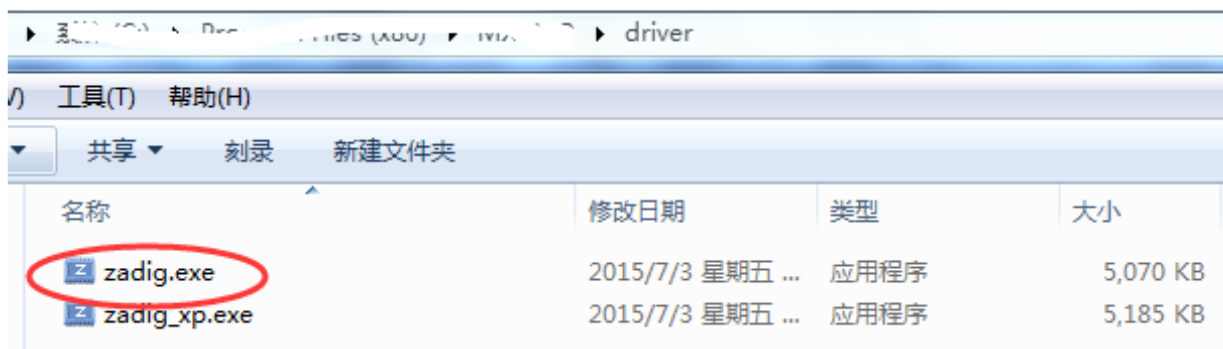
1. Install Driver

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

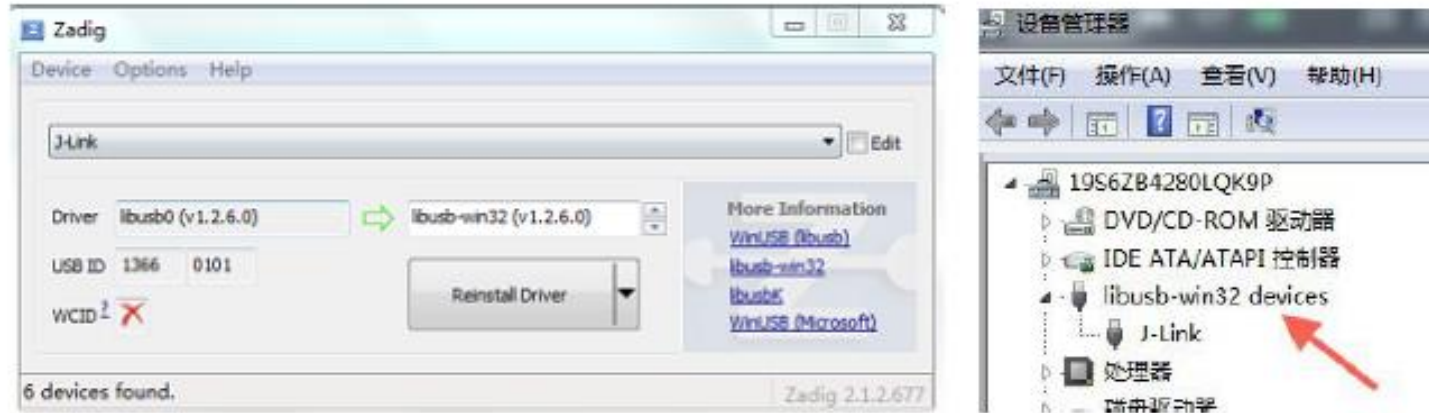


jlink_driver_for_
mico

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”



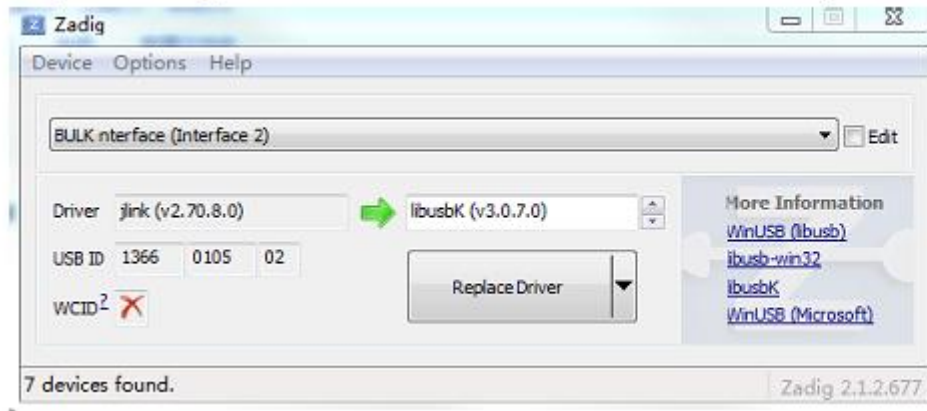
3. Select the menu: Options->List All Devices, select J-Link from the drop-down list, select “libusb-win32(v1.2.6.0)” for the driver, click “Replace Driver”, and return to “successful” to close. “libusb-win32 devices will appear in the device manager. If you are using JLinkV8, the update process is as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

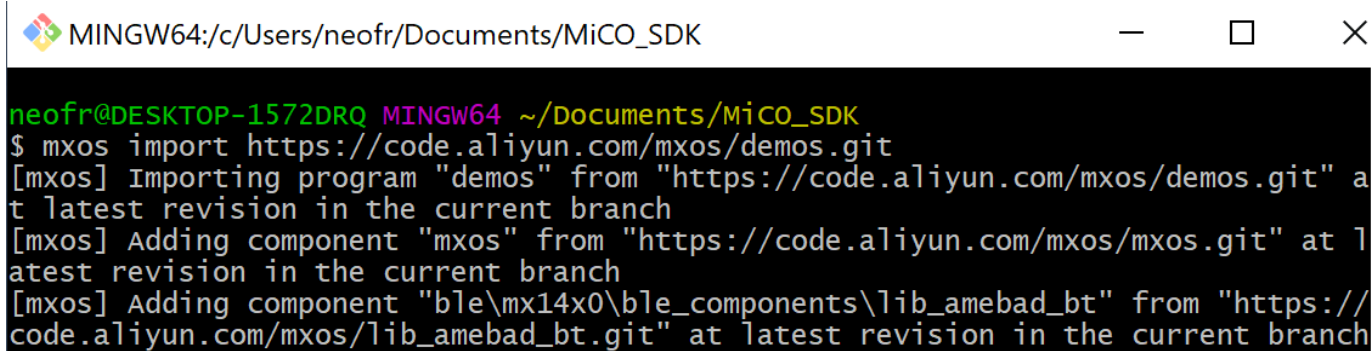


► Step 5. Download SDK

1. SDK

--<https://code.aliyun.com/mxos/demos.git>

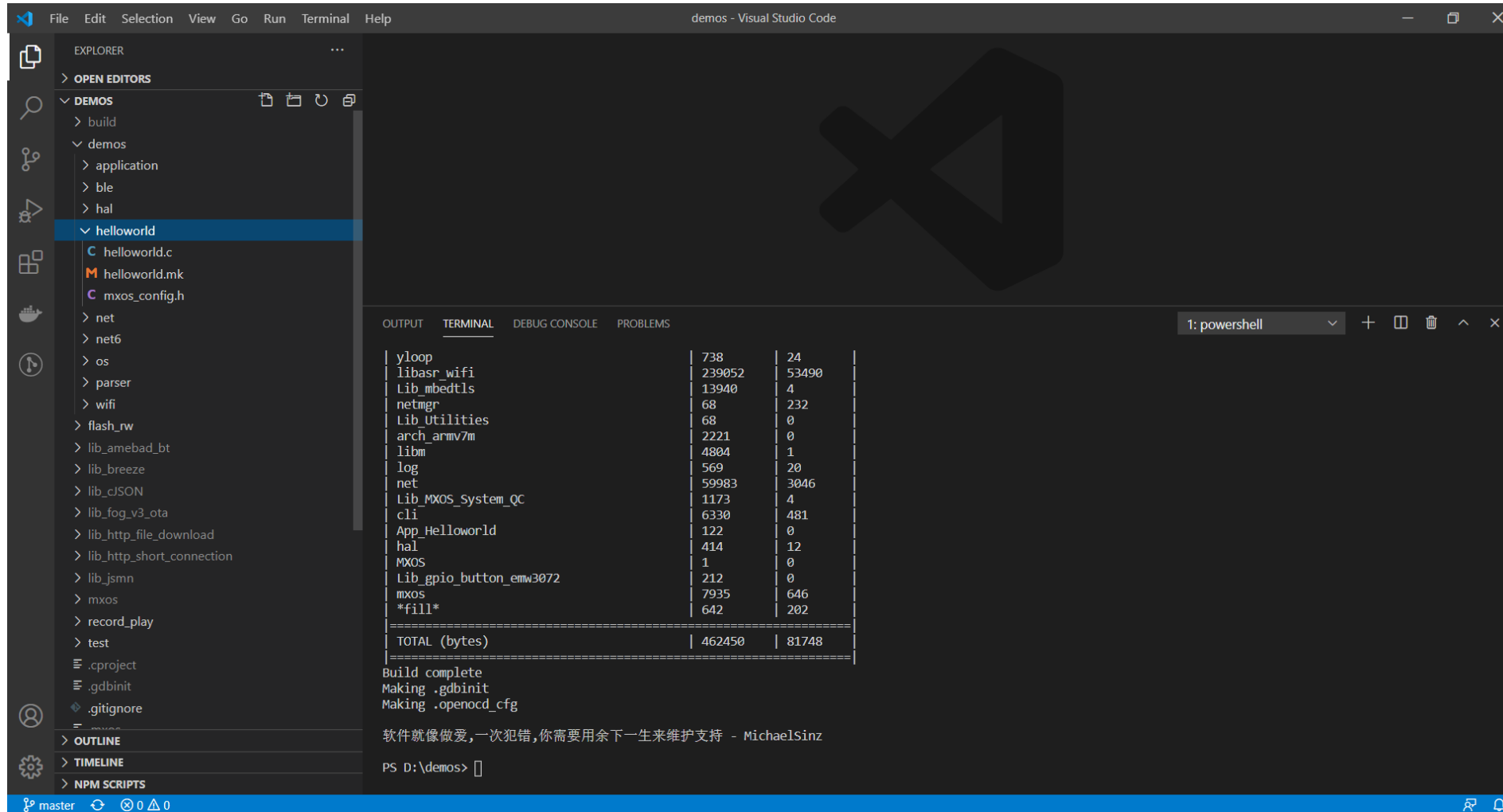
2. Use Git Bash to download SDK with command: *mxosimport https://code.aliyun.com/mxos/demos.git*



```
MINGW64:/c/Users/neofr/Documents/MiCO_SDK
neofr@DESKTOP-1572DRQ MINGW64 ~/Documents/MiCO_SDK
$ mxos import https://code.aliyun.com/mxos/demos.git
[mxos] Importing program "demos" from "https://code.aliyun.com/mxos/demos.git" at latest revision in the current branch
[mxos] Adding component "mxos" from "https://code.aliyun.com/mxos/mxos.git" at latest revision in the current branch
[mxos] Adding component "ble\mx14x0\ble_components\lib_amebad_bt" from "https://code.aliyun.com/mxos/lib_amebad_bt.git" at latest revision in the current branch
```


► Step 6. Use SDK with VS Code

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



```
File Edit Selection View Go Run Terminal Help
demos - Visual Studio Code

EXPLORER
> OPEN EDITORS
  DEMOS
    build
    demos
      application
      ble
      hal
      helloworld
        helloworld.c
        helloworld.mk
        mxos_config.h
      net
      net6
      os
      parser
      wifi
      flash_rw
      lib_amebad_bt
      lib_breeze
      lib_cJSON
      lib_fog_v3_ota
      lib_http_file_download
      lib_http_short_connection
      lib_jsmn
      mxos
      record_play
      test
      .cproject
      .gdbinit
      .gitignore
    OUTLINE
    TIMELINE
    NPM SCRIPTS

master 0 0 0

OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS
1: powershell

| yloop | 738 | 24 |
| libasr_wifi | 239052 | 53490 |
| Lib_mbedtls | 13940 | 4 |
| netmgr | 68 | 232 |
| Lib Utilities | 68 | 0 |
| arch_armv7m | 2221 | 0 |
| libm | 4804 | 1 |
| log | 569 | 20 |
| net | 59983 | 3046 |
| Lib_MXOS_System_QC | 1173 | 4 |
| cli | 6330 | 481 |
| App_Helloworld | 122 | 0 |
| hal | 414 | 12 |
| MXOS | 1 | 0 |
| Lib_gpio_button_emw3072 | 212 | 0 |
| mxos | 7935 | 646 |
| *fill* | 642 | 202 |
=====
| TOTAL (bytes) | 462450 | 81748 |
=====

Build complete
Making .gdbinit
Making .openocd_cfg

软件就像做爱,一次犯错,你需要用余生来维护支持 - MichaelSinz

PS D:\demos>
```



THANKS