

VCS001

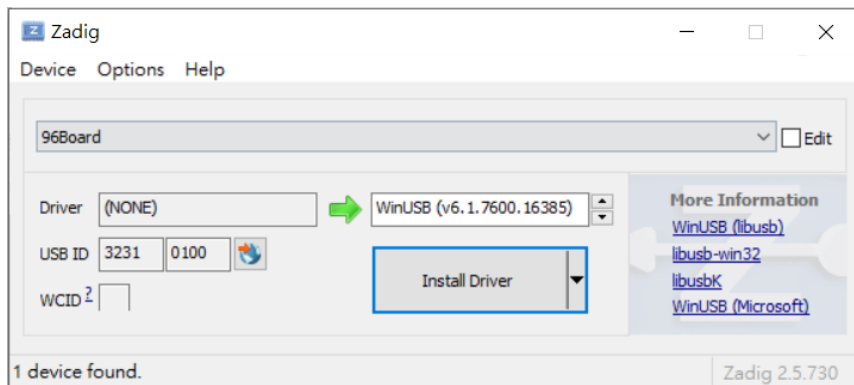
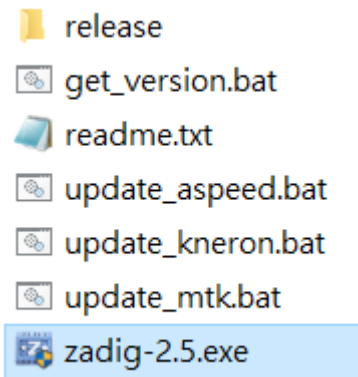
Update Tool

P1.23.00

MERRY Sounds Excellent

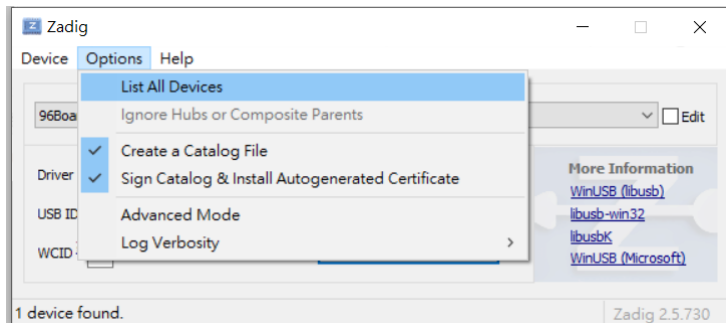
Install DFU Driver (1/2)

- 安裝DFU裝置驅動程式(僅一次安裝)
 - 執行 Zadig.exe



Install DFU Driver (2/2)

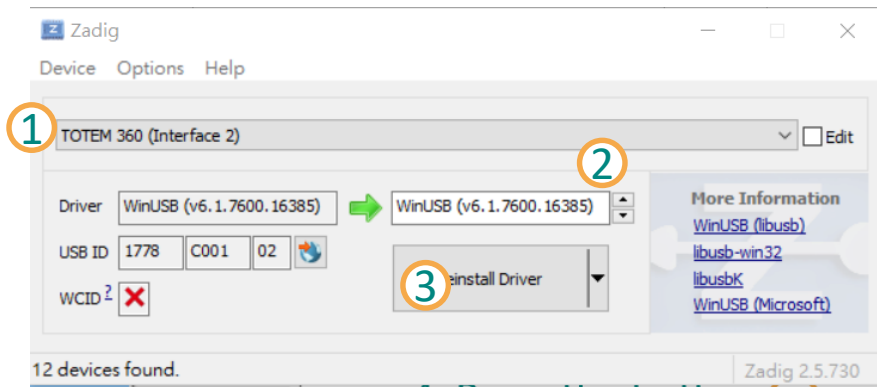
1. Select “List All Devices”



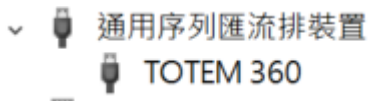
2. Select device TOTEM 360 (Interface 2) such as ①

3. Select driver such as ②

4. Press the button ③



5. Install success, you can see



Update FW - Step

- 長壓power button 1秒開機
- 更新ASPEED (update_aspeed.bat)
 - 更新完會自動重開機
- 更新Kneron (update_kneron.bat)
 - 更新完會自動重開機
- 更新MTK+MCU
 - 更新完會自動關機
- 長壓power button 1秒開機
- 檢查版本 (get_version.bat)

Update APSEED FW

1. Do update_aspeed.bat

- ast_usb_tool
- dfu-util
- release
- get_version.bat
- readme.txt
- update_aspeed.bat**
- update_kneron.bat
- update_mtk.bat
- zadig-2.5.exe

2. Update start

```
C:\WINDOWS\system32\cmd.exe
New firmware image version: 0.0.18 vc0018 SDK
Set device into update mode.
waiting usb storage ready 3 seconds
Got removable device.
Copy update image to device.
[#####] 100%
```

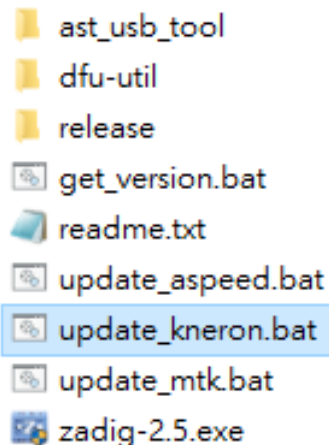
3. Update finish (about 4 minutes)

```
Eject removable device.
Trigger to start update.
[0]:Idle and waiting, progress: 000% [#####]
[2]:Starting update , progress: 001% [#####]
[3]:Unzipping , progress: 001% [#####]
[4]:Updating , progress: 089% [#####]
[5]:Update complete!, progress: 100% [#####]
total cost: 237313.000000 ms
請按任意鍵繼續 . . .
```

4. Reboot automatically

Update Kneron FW

1. Do update_kneron.bat



2. Update start

```
C:\WINDOWS\system32\cmd.exe
[Notice]Please update newer firmware.
Set device into update mode.
waiting usb storage ready 3 seconds
Got removable device.
Copy update image to device.
[#####] 100%
```

3. Update finish (about 5 minutes)

```
Eject removable device.
Trigger to start update.
[0]:Idle and waiting, progress: 000% [#####]
[2]:Starting update , progress: 001% [#####]
[3]:Unzipping , progress: 001% [#####]
[4]:Updating , progress: 089% [#####]
[5]:Update complete!, progress: 100% [#####]
total cost: 310656.000000 ms
請按任意鍵繼續 . . .
```

4. Reboot automatically

Update MTK FW

1. Do update_mtk.bat 2. Update start

- ast_usb_tool
- dfu-util
- release
- get_version.bat
- readme.txt
- update_aspeed.bat
- update_kneron.bat
- update_mtk.bat**
- zadig-2.5.exe

```
C:\WINDOWS\system32\cmd.exe
dfu-util 0.11

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This program is Free Software and has ABSOLUTELY NO WARRANTY
Please report bugs to http://sourceforge.net/p/dfu-util/tickets/

Warning: Invalid DFU suffix signature
A valid DFU suffix will be required in a future dfu-util release
Opening DFU capable USB device...
Device ID 1b6b:0104
Run-Time device DFU version 0110
Claiming USB DFU (Run-Time) Interface...
Setting Alternate Interface zero...
Determining device status...
DFU state(0) = apIDLE, status(0) = No error condition is present
Device really in Run-Time Mode, send DFU detach request...
Device will detach and reattach...
```

3. Update finish (about 2 minute)

```
Download [=====] 100% 28800512 bytes
Download done.
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(7) = dfuMANIFEST, status(0) = No error condition is present
DFU state(2) = dfuIDLE, status(0) = No error condition is present
Done!
請按任意鍵繼續 . . .
```

4. Power off automatically

Get Version Information

1. 執行get_version.bat 2. 內容說明

- ast_usb_tool
- dfu-util
- release
- get_version.bat**
- readme.txt
- update_aspeed.bat
- update_kneron.bat
- update_mtk.bat
- zadig-2.5.exe

C:\WINDOWS\system32\cmd.exe

AST1220 Version
P1.23.00

1

total cost: 687.000000 ms

2

KL520 Version

NPU version = v6.6.21.NV12_192

1 AST1220 Version

2 KL520 Version

3 MT9050 Version

4 MCU Version

total cost: 328.000000 ms

MT9050 FW Version

P1.23.00

3

total cost: 234.000000 ms

MCU FW Version

VCS001_MCU_V0.00.26

4

total cost: 234.000000 ms

請按任意鍵繼續 . . .

其它

- 安裝完P1.22.00或之後的版本, 因DFU裝置的VID/PID也會變動, Windows會視DFU裝置為未知裝置, 所以需要再做一次”Install DFU Driver“才能做MTK的更新.