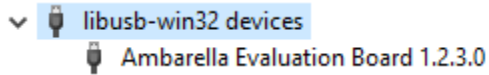


Flash firmware using DirectUSB

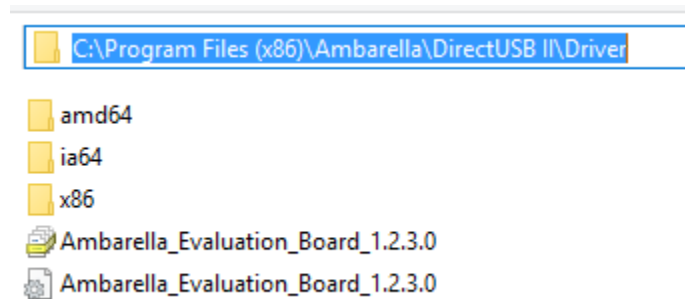
Switch DVR to USB flash mode

1. Connect USB
2. Press Reset
3. Press and Hold MENU
4. Short press power while holding MENU

Windows should detect device like:



Drivers are inside DirectUSB folder



 Windows 10 and unsigned ambarella driver

Flash .elf firmware

1. Start DirectUSB
2. Choose Board: a7lbub. Press Connect.
3. Press EraseNand
4. Choose .elf firmware file. Check Verify.
5. Press Download
6. Reset DVR

DU

DirectUSB

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□

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Config

Board: a7lhub ▾ DRAM: ▾ Core: ▾ Edit

Download

Memory

Option

MAC

☒ Boot Loader (Amboot) ☐ HAL

▾

Choose

☐ Firmware Programming ☒ Verify

▾

Choose

☐ Kernel

▾

Choose

☒ DSP Images Directory

▾

Choose

Status: 

Time: 00:00

Level: ERROR ▾

Clear

Found 1 AMBA device!

^

▾

<

>

Connect

Download

MemoryTest

Upload

EraseNand

DU

DirectUSB

Config

Board: a7lbub ▾ DRAM: ▾ Core: ▾ Edit

Download

Memory

Option

MAC

☒ Boot Loader (Amboot) ☐ HAL

▾ Choose

☐ Firmware Programming ☒ Verify

▾ Choose

☐ Kernel

▾ Choose

☒ DSP Images Directory

▾ Choose

Status:  Time: 00:08 Level: ERROR ▾ Clear

Found 1 AMBA device!
Found 1 AMBA device!
AMBA_USB_EraseFlash: Enter[0].Wait...
AMBA_USB_EraseFlash Done[0]!!

Connect

Download

MemoryTest

Upload

EraseNand

DU DirectUSB

Config

Board: a7lbub DRAM: Core: Edit

Download Memory Option MAC

☐ Boot Loader (Amboot) ☐ HAL

Choose

☒ Firmware Programming ☒ Verify

C:\Files\Soft\DVR\20141028.elf

Choose

☐ Kernel

Choose

☒ DSP Images Directory

Choose

Connect

Download

MemoryTest

Upload

EraseNand

Status:  Time: 00:23 Level: ERROR Clear

[0] Found.
BST: success (2304)
BLD: success (138448)
HAL: success (74152)
PRI: success (7246084)
ROM: success (7463168)
DSP: success (4196608)
Firmware Programming Success!