# Application Note

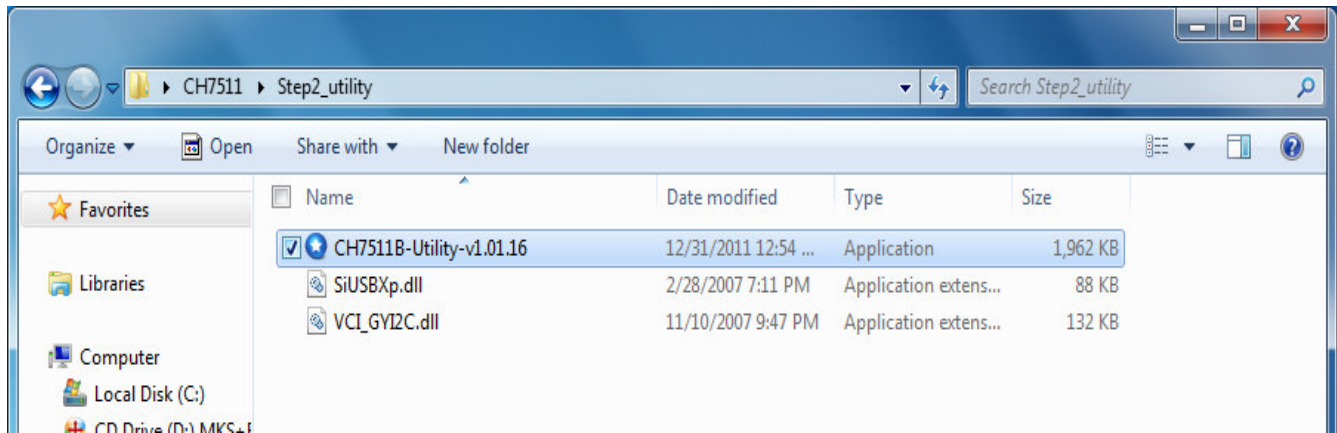| Subject :CH7511B eDP/DP to LVDS monitor controller Firmware updating simple guide. | |
|---|---|
| FAQ Document No: S12005 | Date: 2012/05/25 |
| Model Name. ECM-CDV'EBM-CDV | Rev. A1 |
| Category: ☐General ☐H/W ■S/W ☐Others, | |
| **Purpose :** <br> **Simple guide for Updating new Firmware CH7511B with new Panel DTD table supported.** | |

1. Preparing below folder files into windows folder from CH7511_UFU_PKG.zip.

📁 driver            📁 Step1_SMBUSDRVsetupX86            📁 Step2_utility
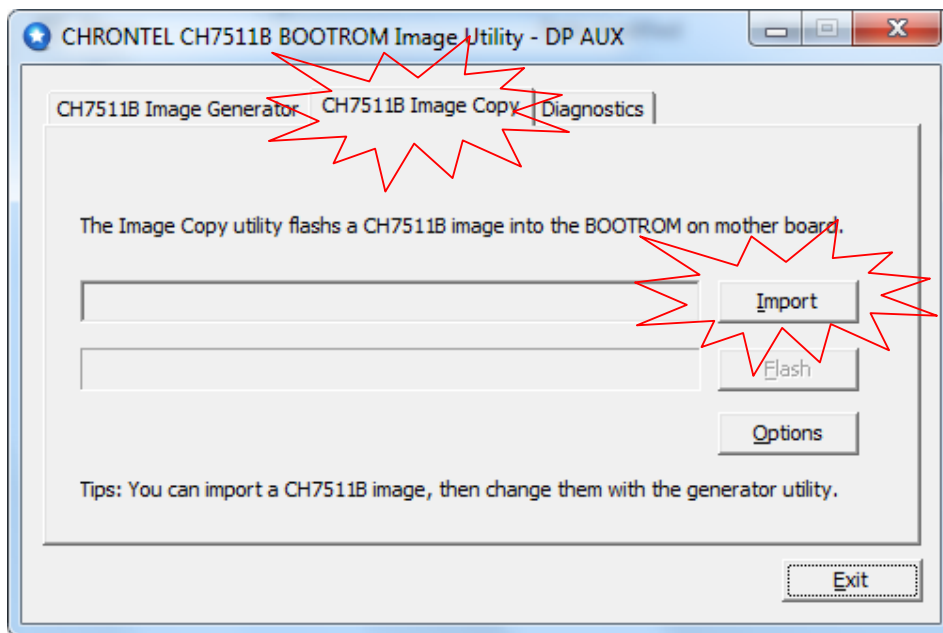
📁 Step3_Firmware
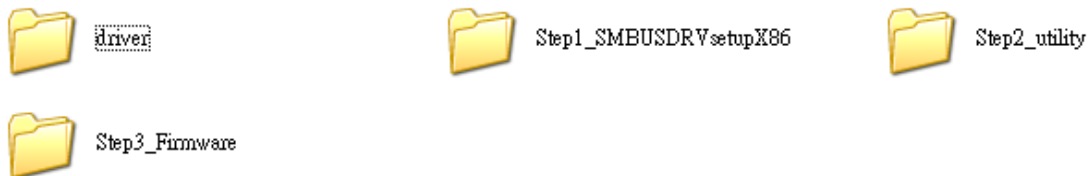
2. Prepare working Environment OS: WINDOWS XP/ WINDOWS 7 32bit On CDV chipset platform.

3. Install SMBUS driver for your OS by click "install" (PS: while OS restart, this SMBUS driver will be removed automatically) from subfolder name "Step1_SMBUSDRVsetupX86"
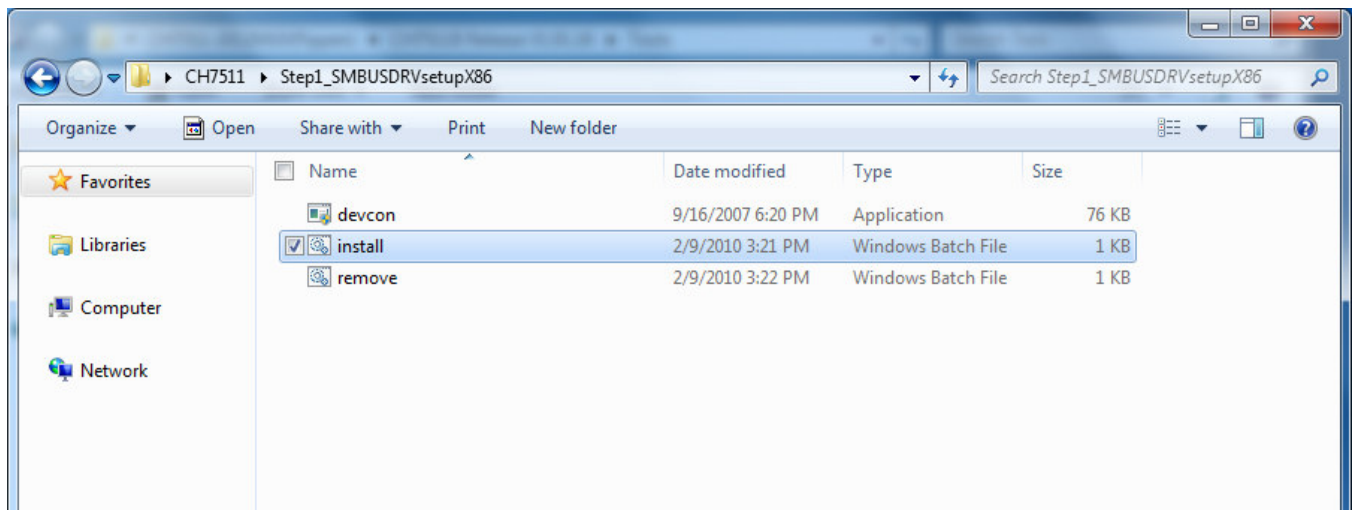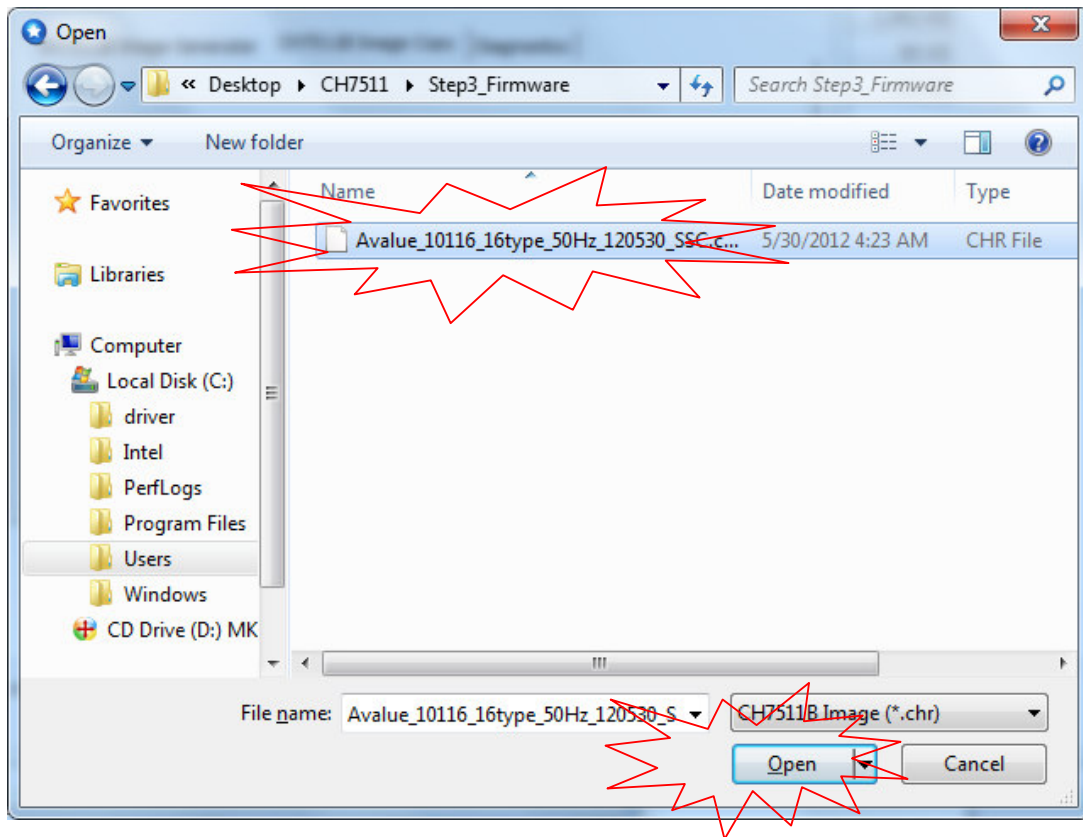
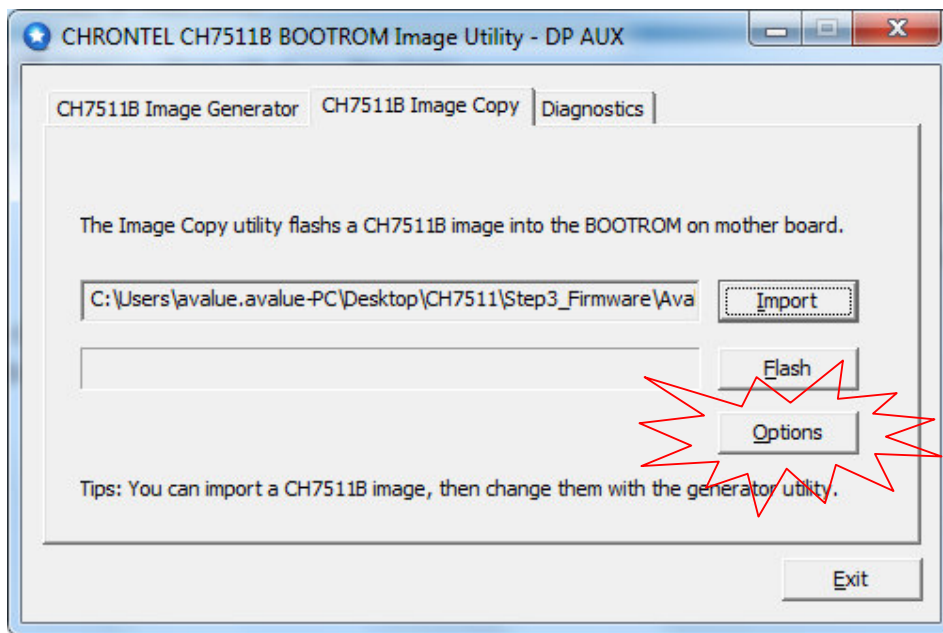4. Launch Chrontel CH7511B Image utility by click "CH7511B-Utility-V1.01.16" from subfolder "Step2_utility".



Select section of "CH7511B Image Copy" and click "Import"

**Avalue Technology Inc.**                                                7F, 228, Lian-Cheng Road, Chung Ho City, Taipei, Taiwan R.O.C.

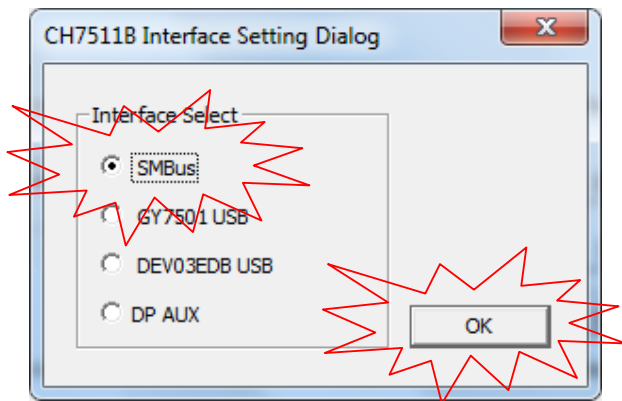| www.avalue.com.tw | Avalue Europe | Avalue USA | BCM Advanced Research | Avalue China |
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| Tel:+886-2-82262345 | Tel: +45-7025-0310 | Tel: +1-732-578-0200 | Tel: +1-949-470-1888 | Tel: +86-21-5426-3399 |
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5. Find the new Firmware from subfolder "Step3_Firmware". Click it and open.



6. Change the CH7511B interface by click "Options"

Select SMBUS and click OK

**CH7511B Interface Setting Dialog**

Interface Select

- ⦿ SMBus
- ○ GY750/1 USB
- ○ DEV03EDB USB
- ○ DP AUX

OK

7. Click "Flash" to start Firmware updating.
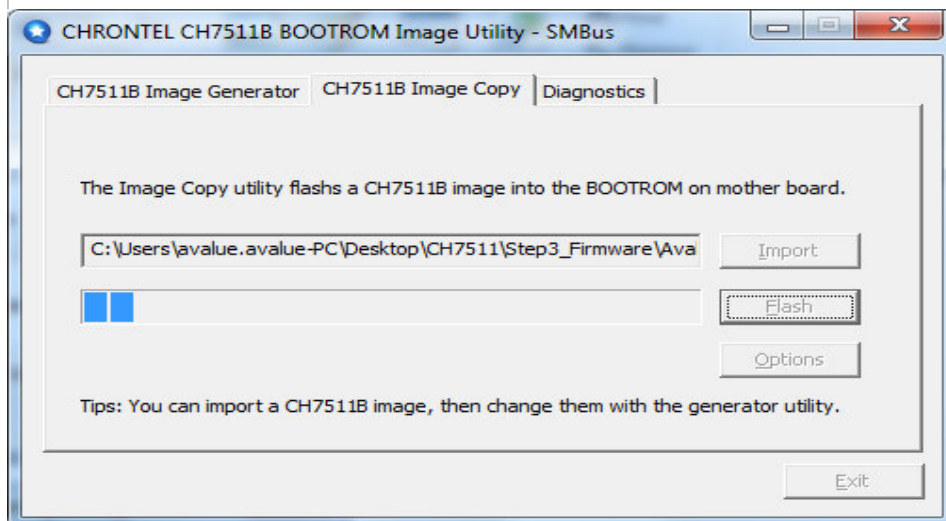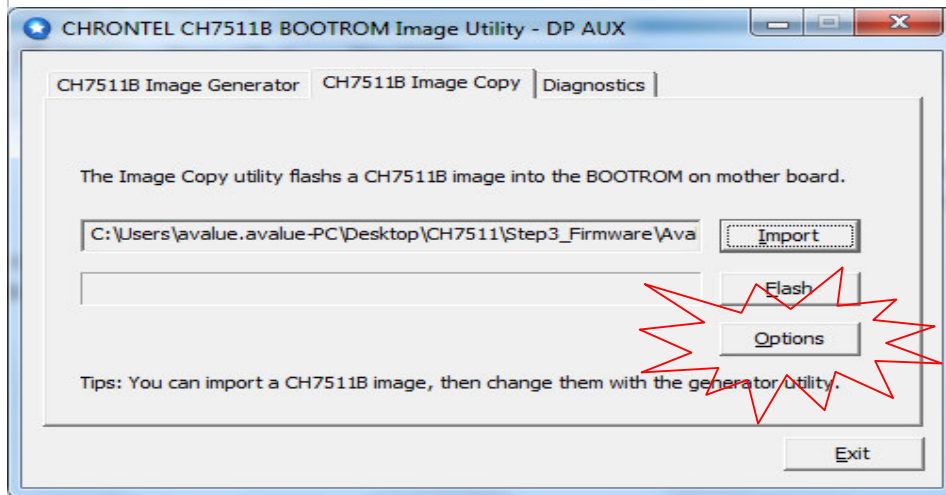
**CHRONTEL CH7511B BOOTROM Image Utility - DP AUX**

CH7511B Image Generator | CH7511B Image Copy | Diagnostics

The Image Copy utility flashs a CH7511B image into the BOOTROM on mother board.

C:\Users\avalue.avalue-PC\Desktop\CH7511\Step3_Firmware\Ava      Import

Flash

Options

Tips: You can import a CH7511B image, then change them with the generator utility.

Exit

**CHRONTEL CH7511B BOOTROM Image Utility - SMBus**

CH7511B Image Generator | CH7511B Image Copy | Diagnostics

The Image Copy utility flashs a CH7511B image into the BOOTROM on mother board.

C:\Users\avalue.avalue-PC\Desktop\CH7511\Step3_Firmware\Ava      Import

Flash

Options

Tips: You can import a CH7511B image, then change them with the generator utility.

Exit

CH7511B-Utility-v1.01....

⚠ Flash Finished!

OK
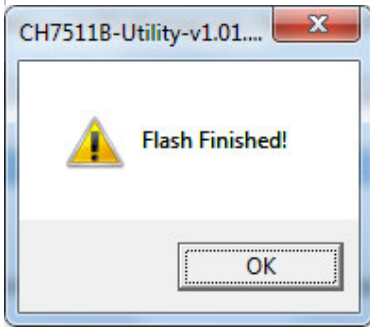
After pop up screen "Flash Finished!" appeared. Please reboot your Board.

8. Select correct Panel ID item from BIOS, boot CDV board into windows, you will get correct displayed on your Panel



9. Done!

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