

# Application Note

## Firmware upgrade for U20 of **SVX-4096**

(USB-HDMI)

Version 1.10

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# 1 Setup

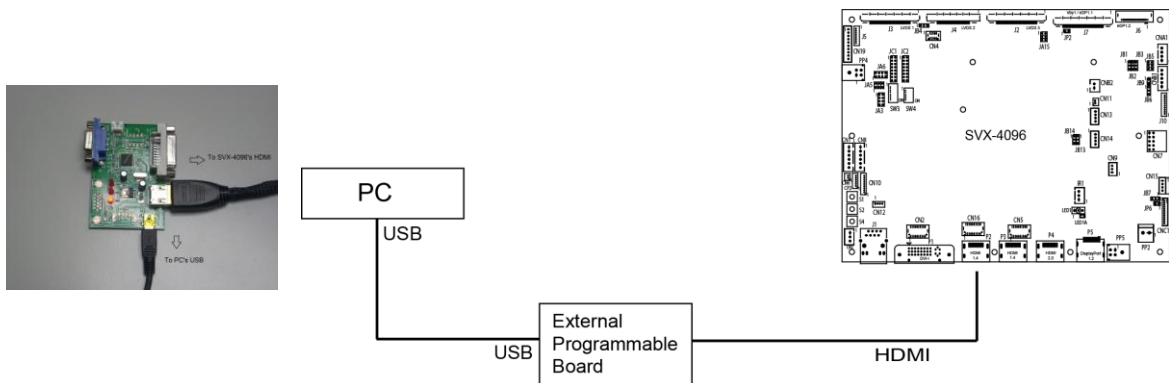
## Software and hardware setup

The “RTDTool.exe” is an upgrade program for the SVX-4096. It can be run under Windows XP/ Vista/7/10 platform. Please contact your Digital View representative to get the program.

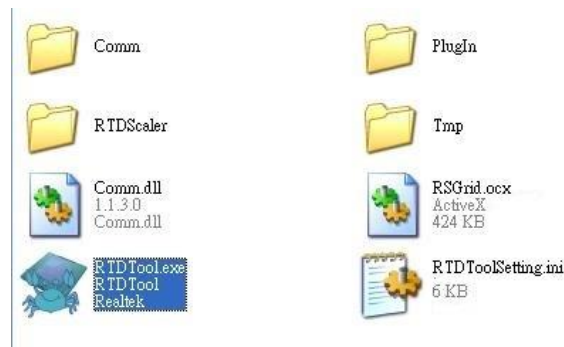
Before upgrading the firmware on the SVX-4096, make sure you have the following items ready:

1. PC with Windows (XP/Vista/7/10) installed
2. External programmable board (USB writer)
3. USB cable
4. HDMI cable
5. Firmware files

**Step 1.1 :** Connect the HDMI cable to the External programmable board (USB writer) and the SVX-4096. Use a USB cable to link up the PC and the External programming board. See the diagram below:



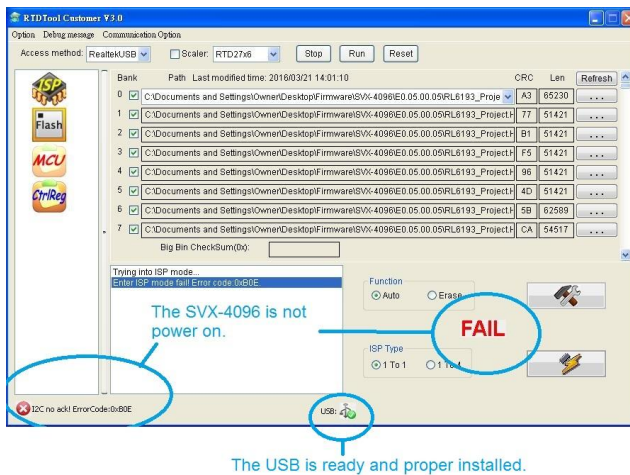
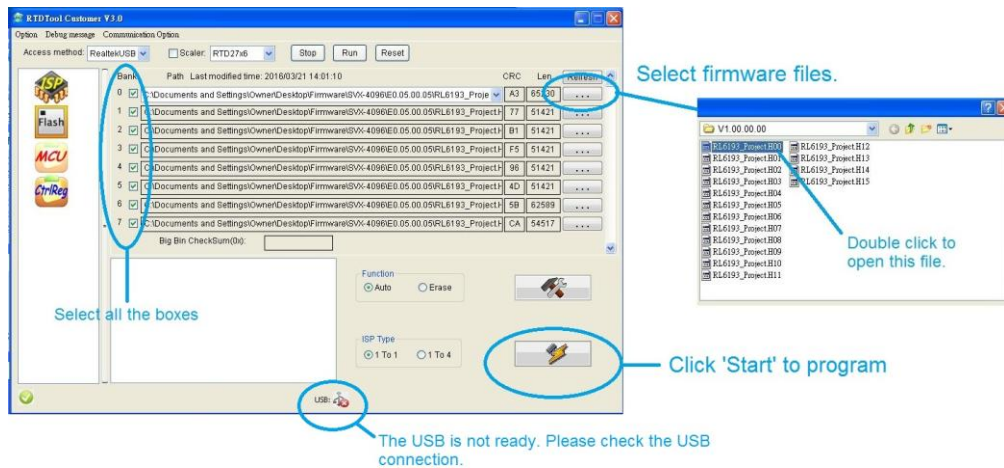
**Step 1.2 :** On PC, run the “RTDTool.exe” firmware upgrade program.



## 2 Firmware Upgrade procedure

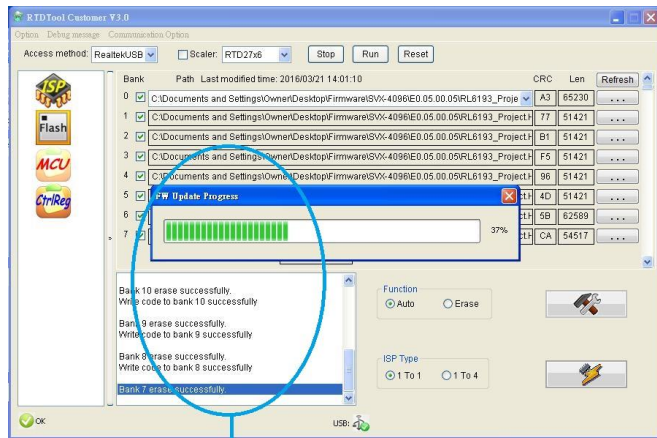
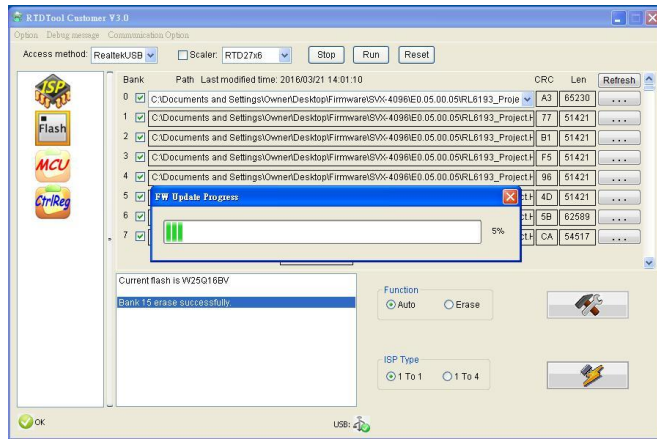
**Step 2.1 :** Run the “RTDTool.exe” program.

**Step 2.2 :** Main window display will be shown as below :



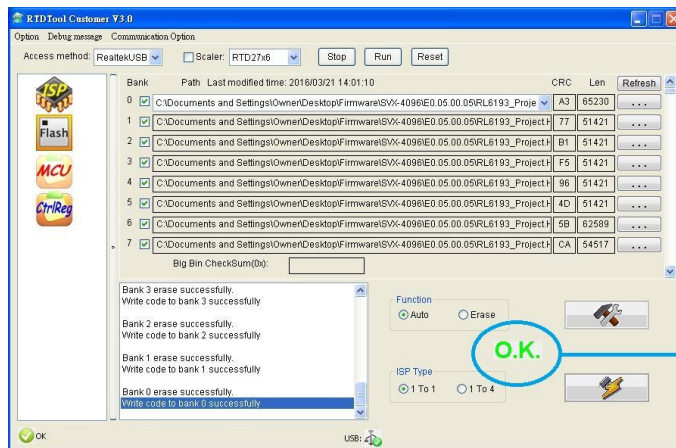
- All check boxes of bank 0- bank 7 must be selected
- The SVX-4096 must be powered on during programming.
- Make sure the USB driver is ready to use in the PC. If not, try to unplug the USB connector and connect it again. (This program is support Windows XP/Vista/7/10)
- After choosing the firmware file, click the 'Start' button to update the program.

**Step 2.3 :** After pressing the "Start" button, the firmware will begin to upgrade.



Firmware programming in progress.

**Step 2.4 :** When the upgrade is completed, "O.K." will display on the screen.



The firmware programming is done.

## 3 Update DDC information

If any new DDC information (EDID data) are changed and updated in the new firmware. User have to write/update those new EDID data on to EEPROM after firmware upgrade. This section is to describe how to update DDC information (EDID data) to EEPROM.

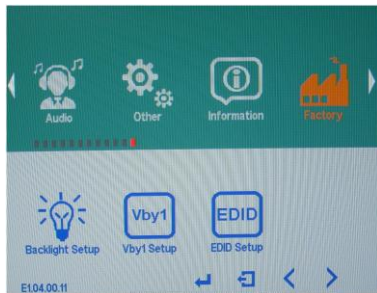
Since the EDID data of HDMI/DVI are stored in EEPROM, after firmware upgrade, it needs to do a process of updating those new EDID data on to EEPROM. Otherwise, the SVX-4096 will keep using the old EDID data.

The procedure of EDID data update is:

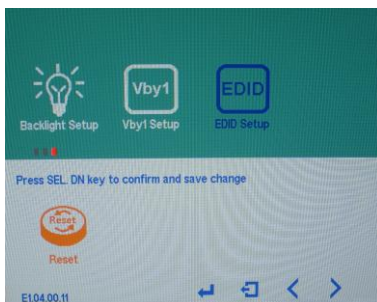
Step 1 : Power on SVX-4096.

Step 2: Turn on the OSD menu.

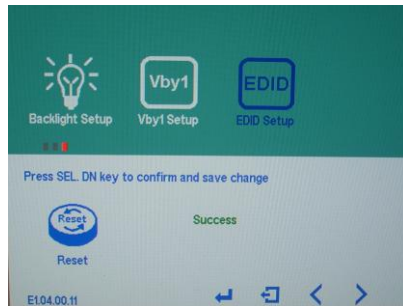
Step 3: Move to **Factory** icon and press 'SEL\_DN' button to confirm.



Step 4: Choose **EDID Setup** icon and press 'SEL\_DN' button to confirm.



Step 5: Select **Reset** icon and press 'SEL\_DN' button to confirm to write EDID data on to EEPROM. Will see '**Success**' on screen if EDID update is successful.



Step 7: If you get update fail, please disconnect all the HDMI input signal and try again.

Step 8: If necessary, reboot the SVX-4096 to activate the new EDID data.

[END]

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Specifications subject to change without notice

Application Note – Firmware upgrade procedure U20 of SVX-4096  
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