Application Note: Procedure to update
the firmware (U13)
on SVX/HX-1920-PRO board.

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Version: 1.20   **Date:** 23 August 2021

Application Note

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Revision History

Date	Rev No.	Page	Summary
4 Aug 2021	1.00	All	First issued
13 Aug 2021	1.10	7, 8	Add Step 3, Method 2 to send a RS-232 command '0xee 0x75 0x31' to activate the firmware upgrade process without connecting a panel.
23 Aug 2021	1.20	5	Change the message in Step 4 to 'Ready to upgrade?" instead of 'Are you sure to upgrade?'.

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1 Introduction

The SVX/HX-1920-PRO controllers are an easy to use high quality DVI-I (VGA + DVI-D) , HDMI & Displayport input interface for LCD panels up to 1920x1200 resolution.

One of the features of the SVX/HX-1920-PRO is the ability to update its firmware as detailed in this Application Note.

IMPORTANT NOTE: Firmware Upgrading must only be done by suitably qualified professionals or technicians. Digital View is not responsible for damage or injury caused by the firmware upgrade procedure.

2 Firmware Upgrade procedure

SVX/HX-1920-PRO firmware upgrade is done by storing the firmware in the USB memory stick and get it update the firmware via USB interface connector.

- The SVX/HX-1920-PRO to be upgraded needs to be fully connected with power. This should be a bench or assembly setup and care must be taken to avoid short circuits or electrical shock. **Digital View does not accept responsibility for damage caused during a firmware upgrade procedure** – care must be exercised

Application Note: Procedure to update
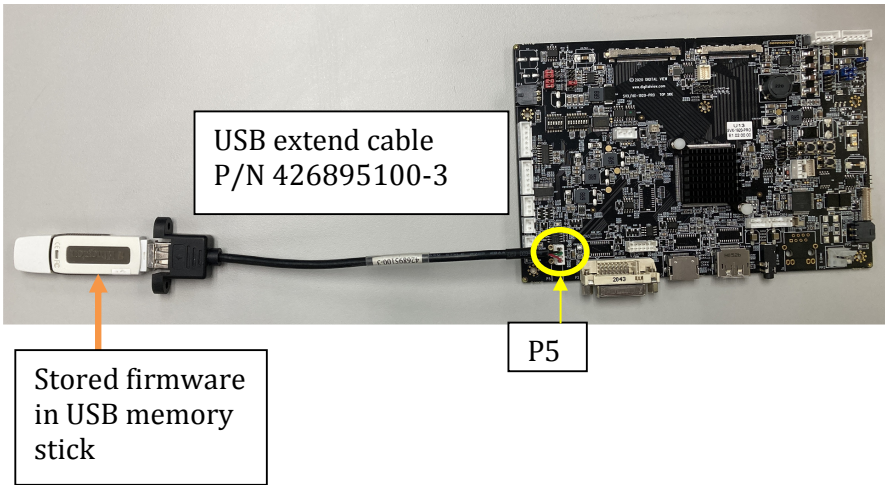the firmware (U13)
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Step 1 : Stored firmware (.bin) in the USB memory stick.
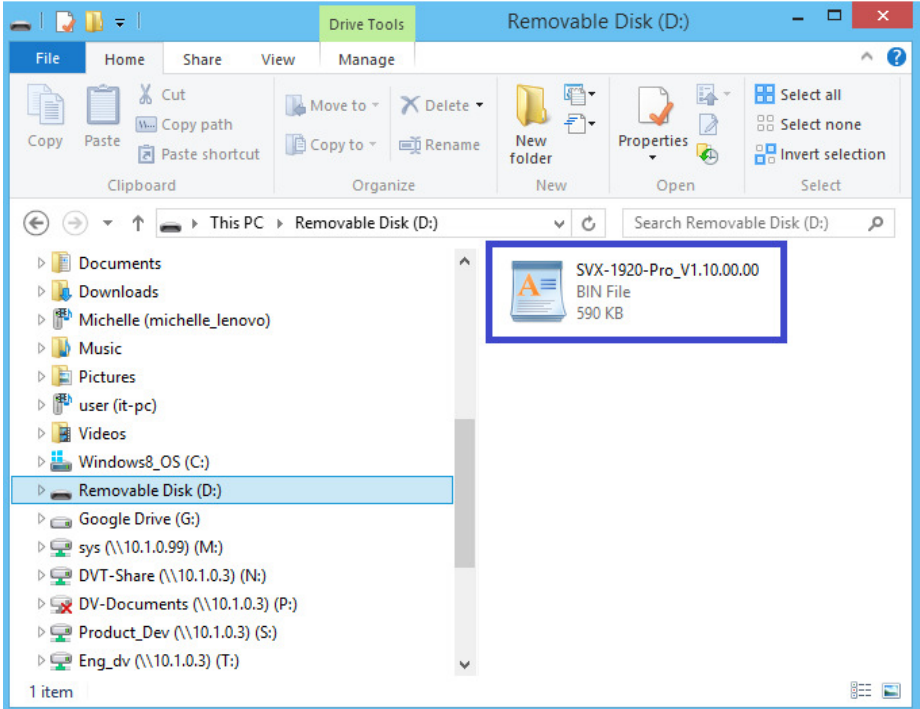
Step 2 : Connect the USB memory stick to P5 connector via the USB extend cable P/N 426895100-3 as shown below connection :

USB extend cable
P/N 426895100-3

P5

Stored firmware
in USB memory
stick

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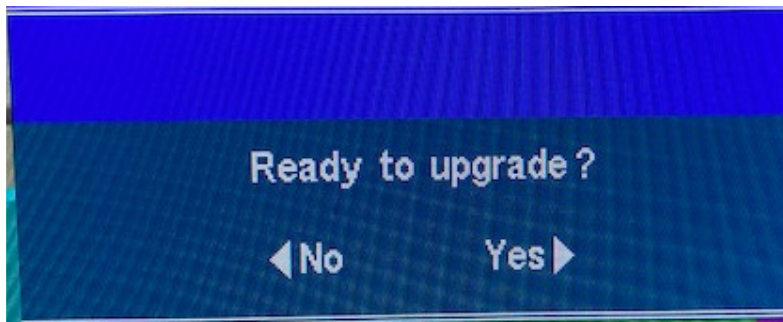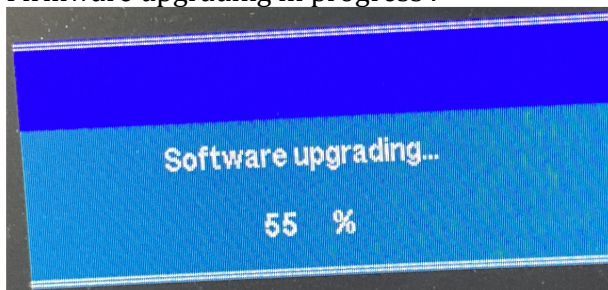**Step 3 :**
(a) : Method 1 :
Connect up the panel with SVX/HX-1920-PRO and select 'Firmware Upgrade' on the OSD menu under location at : Utilities > Firmware Upgrade.
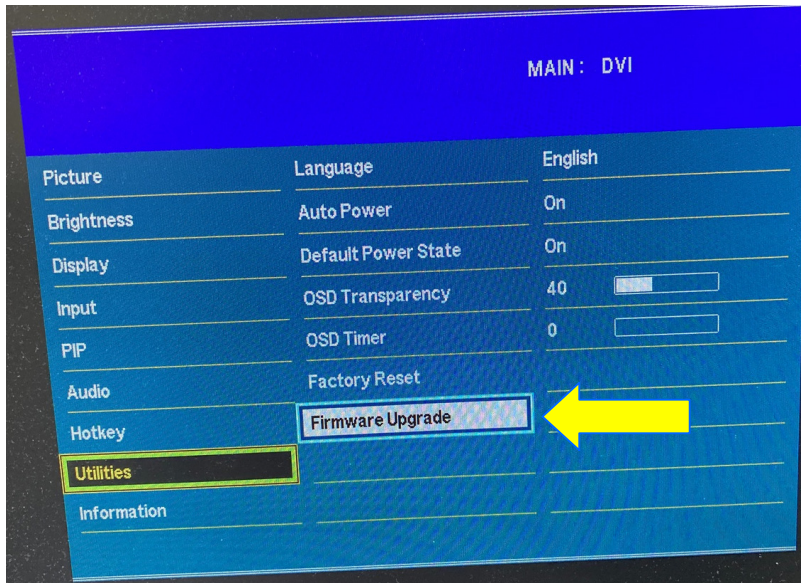
Step 4 : Press "+" on OSD switch mount to select 'Yes' for confirmation to perform the firmware upgrade process.
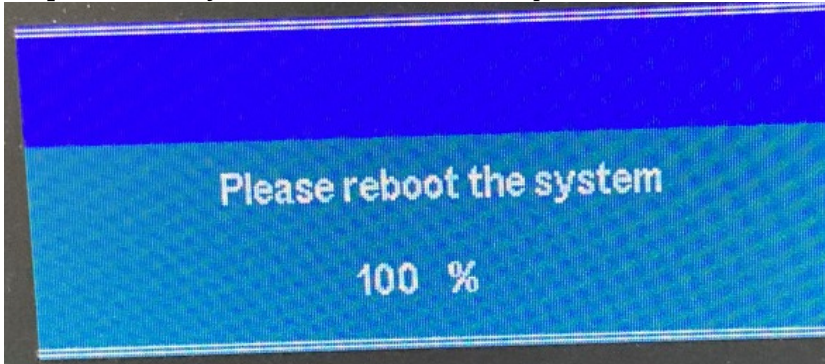

Firmware upgrading in progress :

Application Note: Procedure to update
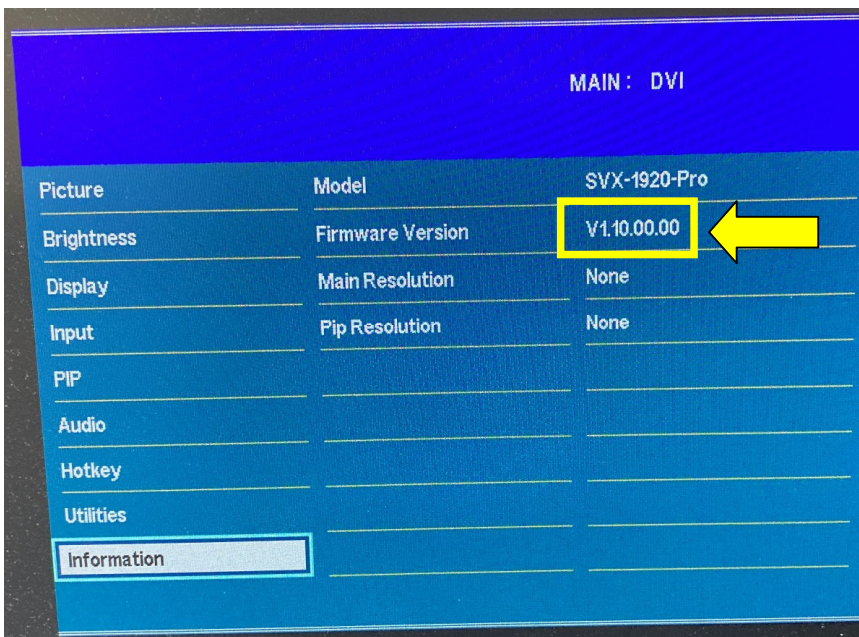the firmware (U13)
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Step 5 : Power cycle the controller after updated the firmware successfully.

Step 6 : Check the firmware version reported on the OSD menu after downloaded the updated firmware.

Application Note: Procedure to update
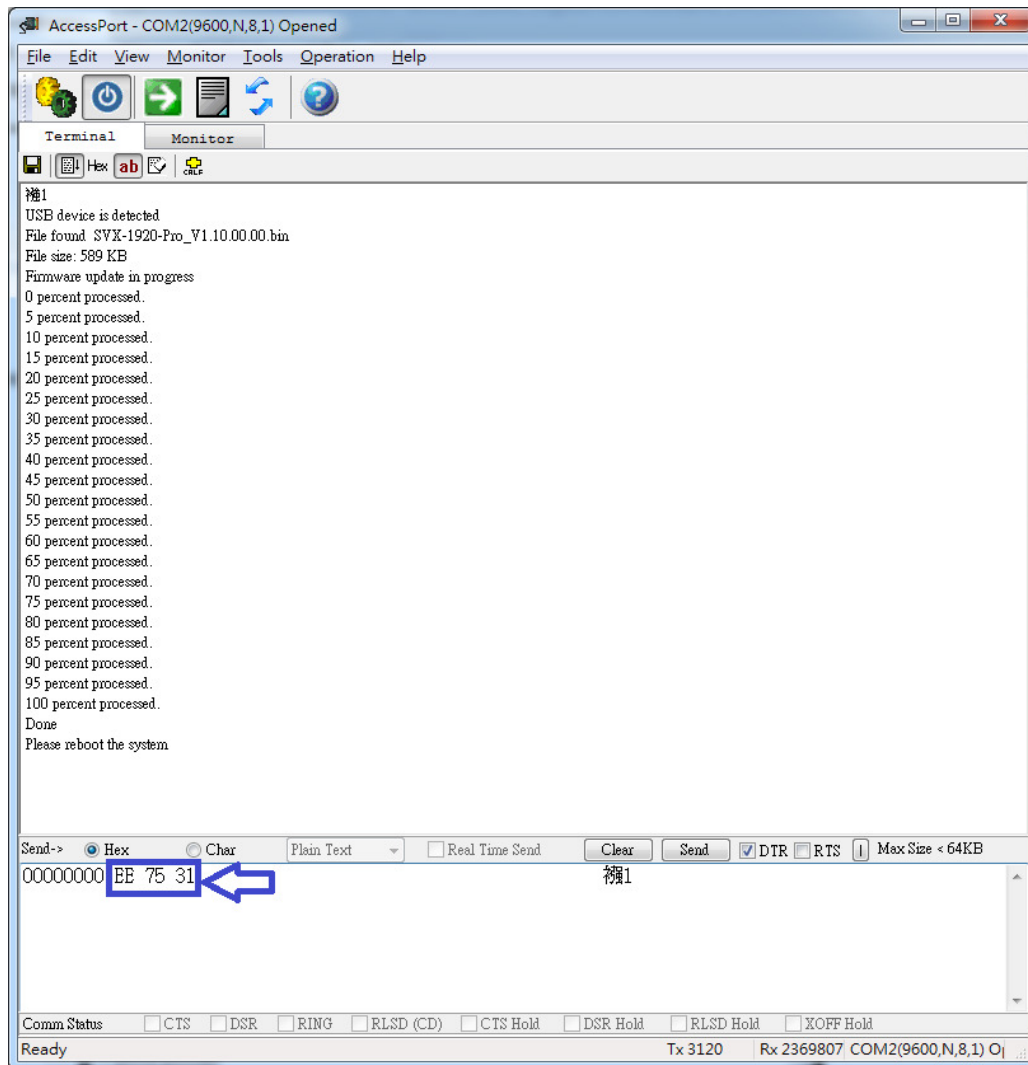the firmware (U13)
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(b) : Method 2 :
Send a RS-232 command '0xee 0x75 0x31' to activate the firmware upgrade process without connecting a panel.

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Upgrade the firmware successful when reporting 'Done', then Power cycle the controller after updated the firmware successfully.

```
USB device is detected
File found  SVX-1920-Pro_V1.10.00.00.bin
File size: 589 KB
Firmware update in progress
0 percent processed.
5 percent processed.
10 percent processed.
15 percent processed.
20 percent processed.
25 percent processed.
30 percent processed.
35 percent processed.
40 percent processed.
45 percent processed.
50 percent processed.
55 percent processed.
60 percent processed.
65 percent processed.
70 percent processed.
75 percent processed.
80 percent processed.
85 percent processed.
90 percent processed.
95 percent processed.
100 percent processed.
Done
Please reboot the system
```

END

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