

Application Note: Procedure to update
the firmware (U4)
on SP-1920v2/HSP-1920v2
board.



Version: 1.00

Date: 23 Sept 2022

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Revision History

Date	Rev No.	Page	Summary
23 Sept 2022	1.00	All	First issued

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1 Introduction

The SP-1920v2 and HSP-1920v2 controllers are an easy to use high quality VGA, DVI & HDMI input interface for LCD panels up to 1920x1200 resolution.

One of the features of the SP-1920v2 and HSP-1920v2 are 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

SP-1920v2 / HSP-1920v2 firmware upgrade is done by storing the firmware in the USB memory stick and get it update the firmware via USB interface connector.

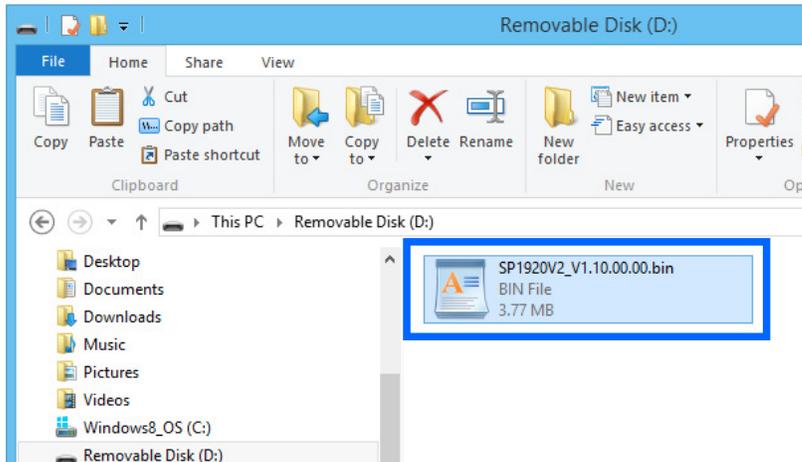
- The SP-1920v2 / HSP-1920v2 to be upgraded needs to be fully connected with power. This should be a bench or assembly setup and care must be taken to avoid short circuits or electrical shock. **Digital View does not accept responsibility for damage caused during a firmware upgrade procedure** – care must be exercised

Application Note: Procedure to update the firmware (U4) on SP-1920v2/HSP-1920v2 board.

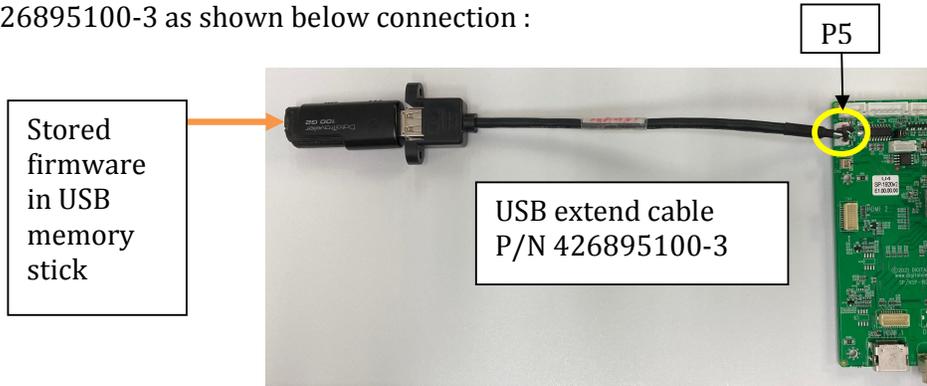
Version: 1.00

Date: 23 Sept 2022

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 :



Application Note: Procedure to update the firmware (U4) on SP-1920v2/HSP-1920v2 board.

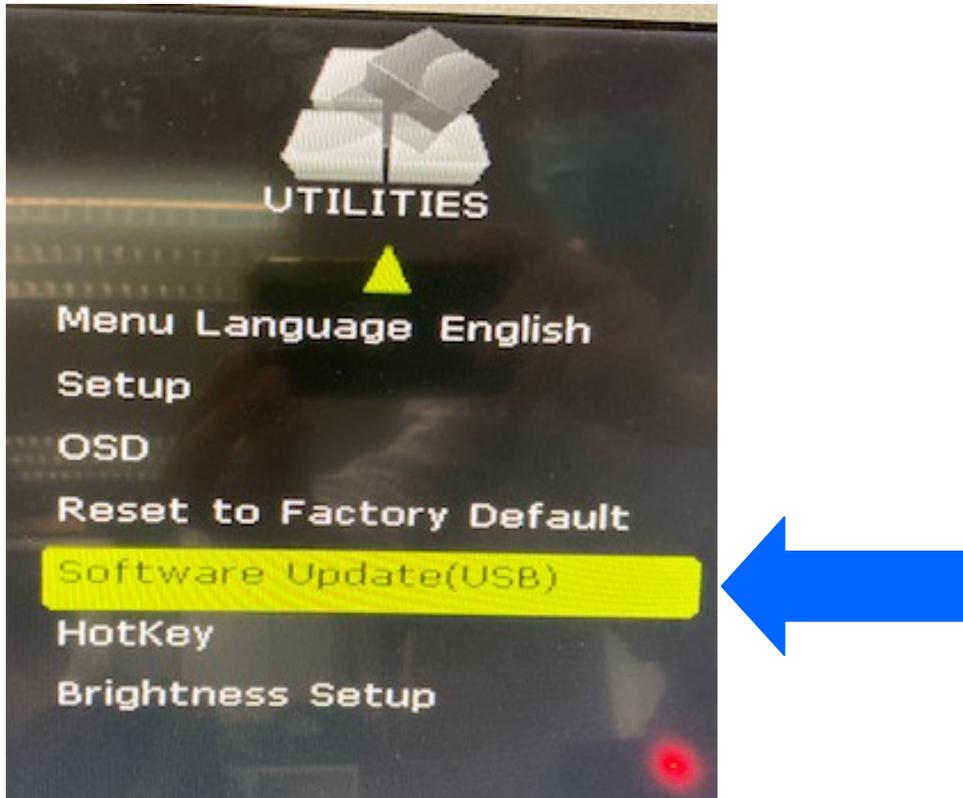


Version: 1.00

Date: 23 Sept 2022

(a) : Method 1 :

Step 3 : Connect up the panel with SP-1920v2/HSP-1920v2 and select 'Software Update(USB)' on the OSD menu under location at : Utilities > Software Update(USB).



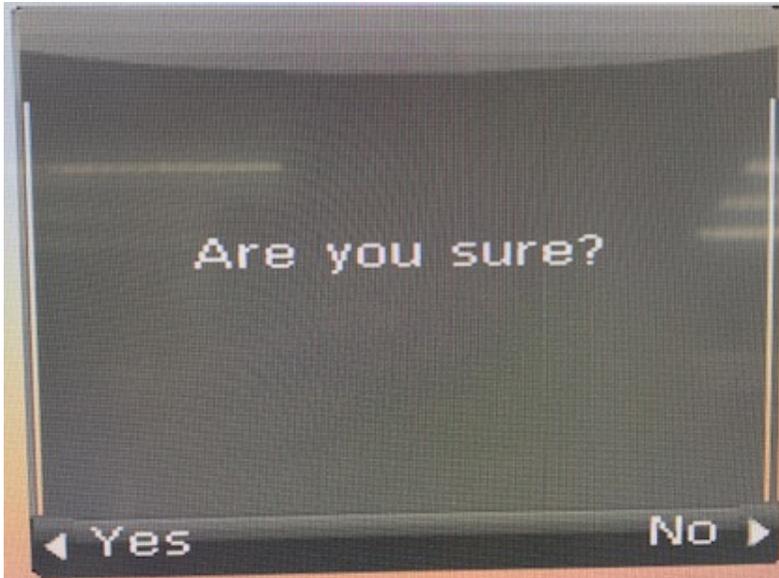
Application Note: Procedure to update the firmware (U4) on SP-1920v2/HSP-1920v2 board.



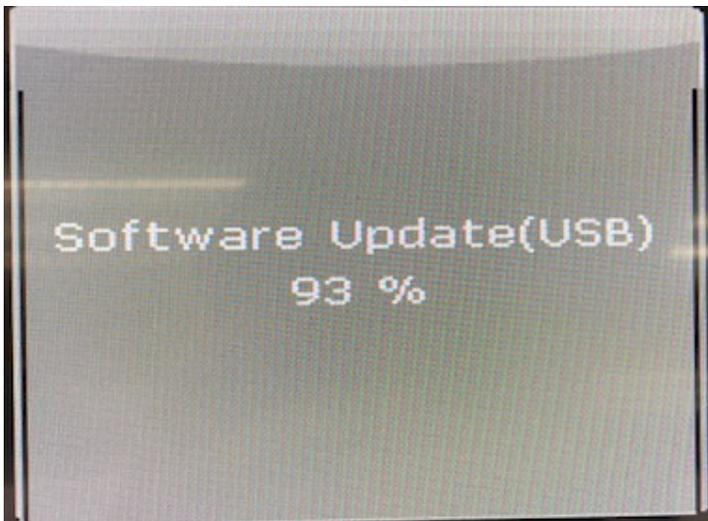
Version: 1.00

Date: 23 Sept 2022

Step 4 : Press "-" on OSD switch mount to select 'Yes' for confirmation to perform the firmware upgrade process.



Firmware upgrading in progress :



Step 5 : Perform 'Reset to Factory Defaults' function to reset the controller.

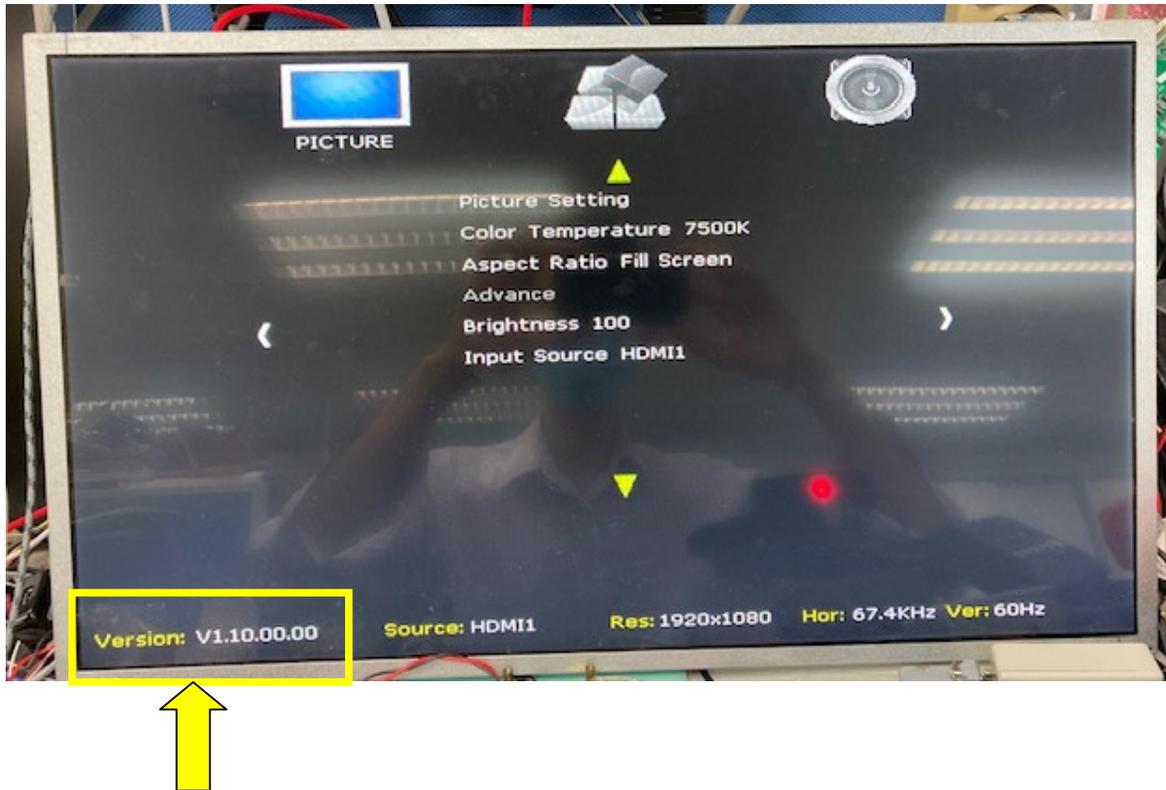
Application Note: Procedure to update the firmware (U4) on SP-1920v2/HSP-1920v2 board.



Version: 1.00

Date: 23 Sept 2022

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



Application Note: Procedure to update the firmware (U4) on SP-1920v2/HSP-1920v2 board.

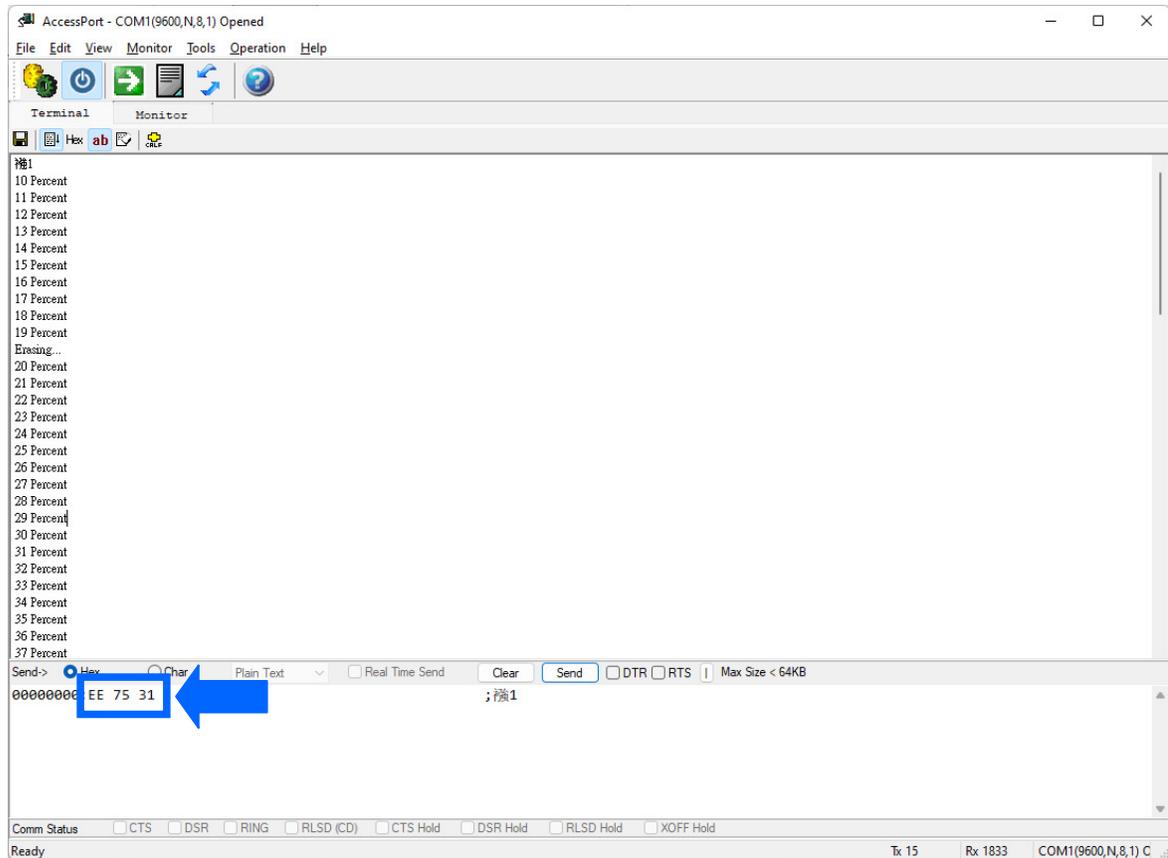


Version: 1.00

Date: 23 Sept 2022

(b) : Method 2 :

Send a RS-232 command '0xee 0x75 0x31' to activate the firmware upgrade process without connecting a panel.



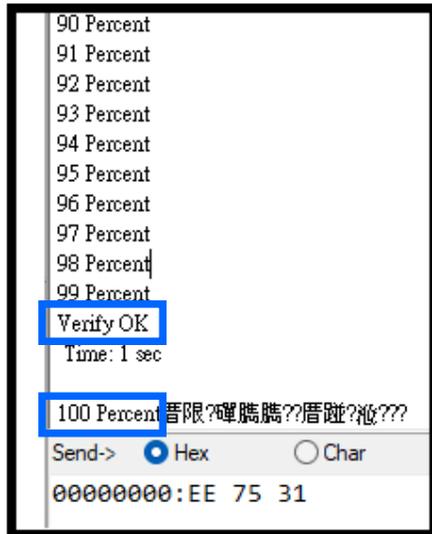
Application Note: Procedure to update the firmware (U4) on SP-1920v2/HSP-1920v2 board.



Version: 1.00

Date: 23 Sept 2022

Upgrade the firmware successful when reporting 'Verify OK' & '100 Percent', then Power cycle the controller after updated the firmware successfully.



END

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The content subject to change without notice

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